GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 17.0123 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-1
Perfect score: 81
Sequence: 1 KHKHKHKGKHKHK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5_COMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
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5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
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| 1 | 68 | 84.0 | 1199 | 2 | US-09-208-742-2 | Sequence 2, Appli |
| 2 | 68 | 84.0 | 1199 | 2 | US-09-332-295-4 | Sequence 4, Appli |
| 3 | 68 | 84.0 | 1199 | 2 | US-09-709-979-4 | Sequence 4, Appli |
| 4 | 68 | 84.0 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 5 | 64.5 | 79.6 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 6 | 57 | 70.4 | 297 | 2 | US-09-248-796A-22393 | Sequence 22393, A |
| 7 | 56 | 69.1 | 1213 | 1 | US-08-188-582-20 | Sequence 20, Appl |
| 8 | 56 | 69.1 | 1213 | 1 | US-08-646-715-20 | Sequence 20, Appl |
| 9 | 55 | 67.9 | 10 | 2 | US-10-104-307-18 | Sequence 18, Appl |
| 10 | 53 | 65.4 | 18 | 1 | US-08-346-849-64 | Sequence 64, Appl |
| 11 | 53 | 65.4 | 18 | 1 | US-08-293-284A-64 | Sequence 64, Appl |
| 12 | 53 | 65.4 | 18 | 2 | US-08-898-300-64 | Sequence 64, Appl |
| 13 | 53 | 65.4 | 18 | 2 | US-08-824-513-64 | Sequence 64, Appl |
| 14 | 53 | 65.4 | 313 | 2 | US-08-686-528A-3 | Sequence 3, Appli |
| 15 | 53 | 65.4 | 313 | 2 | US-09-456-287-3 | Sequence 3, Appli |
| 16 | 53 | 65.4 | 337 | 2 | US-08-686-528A-2 | Sequence 2, Appli |
| 17 | 53 | 65.4 | 337 | 2 | US-09-456-287-2 | Sequence 2, Appli |
| 18 | 51.5 | 63.6 | 28 | 2 | US-09-437-912-6 | Sequence 6, Appli |
| 19 | 51.5 | 63.6 | 47 | 2 | US-09-612-126-4 | Sequence 4, Appli |
| 20 | 51.5 | 63.6 | 62 | 2 | US-09-612-126-7 | Sequence 7, Appli |
| 21 | 51.5 | 63.6 | 83 | 2 | US-09-612-126-6 | Sequence 6, Appli |

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| 22 | 51.5 | 63.6 | 94 | 2 | US-09-612-126-10 | Sequence 10, Appl |
| 23 | 51.5 | 63.6 | 179 | 2 | US-09-612-126-11 | Sequence 11, Appl |
| 24 | 51.5 | 63.6 | 186 | 2 | US-09-612-126-8 | Sequence 8, Appli |
| 25 | 51.5 | 63.6 | 255 | 2 | US-09-612-126-1 | Sequence 1, Appli |
| 26 | 51.5 | 63.6 | 255 | 2 | US-10-129-946-1 | Sequence 1, Appli |
| 27 | 51.5 | 63.6 | 415 | 3 | US-10-162-335-76 | Sequence 76, Appl |
| 28 | 51.5 | 63.6 | 579 | 2 | US-09-949-002-475 | Sequence 475, App |
| 29 | 51.5 | 63.6 | 579 | 2 | US-09-949-002-481 | Sequence 481, App |
| 30 | 51.5 | 63.6 | 615 | 3 | US-10-162-335-72 | Sequence 72, Appl |
| 31 | 51.5 | 63.6 | 644 | 3 | US-10-162-335-74 | Sequence 74, Appl |
| 32 | 51.5 | 63.6 | 644 | 3 | US-10-162-335-84 | Sequence 84, Appl |
| 33 | 50 | 61.7 | 110 | 2 | US-09-513-999C-7836 | Sequence 7836, Ap |
| 34 | 50 | 61.7 | 381 | 2 | US-09-919-497-96 | Sequence 96, Appl |
| 35 | 49.5 | 61.1 | 55 | 2 | US-09-270-767-61691 | Sequence 61691, A |
| 36 | 49.5 | 61.1 | 199 | 2 | US-09-270-767-46135 | Sequence 46135, A |
| 37 | 49 | 60.5 | 14 | 2 | US-09-648-569A-42 | Sequence 42, Appl |
| 38 | 49 | 60.5 | 14 | 2 | US-09-904-196B-12 | Sequence 12, Appl |
| 39 | 49 | 60.5 | 14 | 2 | US-09-760-008A-12 | Sequence 12, Appl |
| 40 | 49 | 60.5 | 14 | 2 | US-09-782-587B-15 | Sequence 15, Appl |
| 41 | 49 | 60.5 | 14 | 2 | US-10-192-294-12 | Sequence 12, Appl |
| 42 | 49 | 60.5 | 14 | 2 | US-09-997-623-44 | Sequence 44, Appl |
| 43 | 49 | 60.5 | 14 | 2 | US-10-195-707B-38 | Sequence 38, Appl |
| 44 | 49 | 60.5 | 14 | 3 | US-09-806-703A-24 | Sequence 24, Appl |
| 45 | 49 | 60.5 | 15 | 2 | US-09-904-196B-5 | Sequence 5, Appli |
| 46 | 49 | 60.5 | 15 | 2 | US-09-760-008A-5 | Sequence 5, Appli |
| 47 | 49 | 60.5 | 15 | 2 | US-09-556-818-26 | Sequence 26, Appl |
| 48 | 49 | 60.5 | 15 | 2 | US-09-782-587B-16 | Sequence 16, Appl |
| 49 | 49 | 60.5 | 15 | 2 | US-10-192-294-5 | Sequence 5, Appli |
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| 51 | 49 | 60.5 | 173 | 2 | US-09-396-937-10 | Sequence 10, Appl |
| 52 | 49 | 60.5 | 173 | 2 | US-09-396-937-12 | Sequence 12, Appl |
| 53 | 49 | 60.5 | 173 | 2 | US-09-396-937-18 | Sequence 18, Appl |
| 54 | 49 | 60.5 | 173 | 2 | US-09-396-937-20 | Sequence 20, Appl |
| 55 | 49 | 60.5 | 182 | 2 | US-09-396-937-16 | Sequence 16, Appl |
| 56 | 49 | 60.5 | 187 | 2 | US-09-396-937-8 | Sequence 8, Appli |
| 57 | 49 | 60.5 | 188 | 2 | US-09-396-937-14 | Sequence 14, Appl |
| 58 | 48.5 | 59.9 | 300 | 2 | US-09-395-689-1 | Sequence 1, Appli |
| 59 | 48.5 | 59.9 | 765 | 1 | US-08-663-112-2 | Sequence 2, Appli |
| 60 | 48.5 | 59.9 | 765 | 2 | US-09-538-092-906 | Sequence 906, App |
| 61 | 48.5 | 59.9 | 765 | 2 | US-09-882-274-2 | Sequence 2, Appli |
| 62 | 48 | 59.3 | 582 | 2 | US-09-976-594-733 | Sequence 733, App |
| 63 | 48 | 59.3 | 1097 | 3 | US-08-951-188A-4 | Sequence 4, Appli |
| 64 | 47 | 58.0 | 213 | 2 | US-09-252-991A-17343 | Sequence 17343, A |
| 65 | 47 | 58.0 | 218 | 2 | US-09-252-991A-25291 | Sequence 25291, A |
| 66 | 47 | 58.0 | 1716 | 2 | US-09-949-016-11331 | Sequence 11331, A |
| 67 | 46 | 56.8 | 117 | 2 | US-09-513-999C-5282 | Sequence 5282, Ap |
| 68 | 46 | 56.8 | 363 | 2 | US-10-094-749-1983 | Sequence 1983, Ap |
| 69 | 46 | 56.8 | 425 | 2 | US-09-270-767-45380 | Sequence 45380, A |
| 70 | 46 | 56.8 | 618 | 2 | US-09-248-796A-14560 | Sequence 14560, A |
| 71 | 46 | 56.8 | 713 | 2 | US-09-252-991A-19477 | Sequence 19477, A |
| 72 | 45.5 | 56.2 | 531 | 2 | US-09-270-767-32631 | Sequence 32631, A |
| 73 | 45.5 | 56.2 | 531 | 2 | US-09-270-767-47848 | Sequence 47848, A |
| 74 | 45 | 55.6 | 16 | 1 | US-08-346-849-49 | Sequence 49, Appl |
| 75 | 45 | 55.6 | 16 | 1 | US-08-293-284A-49 | Sequence 49, Appl |
| 76 | 45 | 55.6 | 16 | 2 | US-08-898-300-49 | Sequence 49, Appl |
| 77 | 45 | 55.6 | 16 | 2 | US-08-824-513-49 | Sequence 49, Appl |
| 78 | 45 | 55.6 | 125 | 2 | US-09-248-796A-24231 | Sequence 24231, A |
| 79 | 45 | 55.6 | 150 | 2 | US-09-395-689-2 | Sequence 2, Appli |
| 80 | 45 | 55.6 | 718 | 2 | US-09-328-352-5094 | Sequence 5094, Ap |
| 81 | 44.5 | 54.9 | 16 | 2 | US-09-437-912-8 | Sequence 8, Appli |
| 82 | 44 | 54.3 | 10 | 2 | US-09-615-153-19 | Sequence 19, Appl |
| 83 | 44 | 54.3 | 16 | 2 | US-10-104-307-17 | Sequence 17, Appl |
| 84 | 44 | 54.3 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 85 | 44 | 54.3 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 86 | 44 | 54.3 | 944 | 2 | US-09-449-285A-2 | Sequence 2, Appli |
| 87 | 44 | 54.3 | 944 | 2 | US-09-964-238-2 | Sequence 2, Appli |
| 88 | 44 | 54.3 | 1104 | 2 | US-10-104-047-2506 | Sequence 2506, Ap |

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| 89 | 44 | 54.3 | 1125 | 2 | US-09-949-016-10194 | Sequence 10194, A |
| 90 | 44 | 54.3 | 1214 | 2 | US-09-949-016-6885 | Sequence 6885, Ap |
| 91 | 44 | 54.3 | 1318 | 2 | US-09-949-016-7130 | Sequence 7130, Ap |
| 92 | 43.5 | 53.7 | 10 | 2 | US-09-615-153-20 | Sequence 20, Appl |
| 93 | 43.5 | 53.7 | 219 | 2 | US-09-270-767-57647 | Sequence 57647, A |
| 94 | 43.5 | 53.7 | 408 | 2 | US-09-270-767-42361 | Sequence 42361, A |
| 95 | 43 | 53.1 | 111 | 2 | US-09-902-540-12498 | Sequence 12498, A |
| 96 | 43 | 53.1 | 439 | 2 | US-09-248-796A-15955 | Sequence 15955, A |
| 97 | 43 | 53.1 | 455 | 2 | US-09-252-991A-24911 | Sequence 24911, A |
| 98 | 43 | 53.1 | 459 | 2 | US-09-252-991A-32433 | Sequence 32433, A |
| 99 | 43 | 53.1 | 650 | 2 | US-09-252-991A-19052 | Sequence 19052, A |
| 100 | 43 | 53.1 | 1024 | 2 | US-10-449-315-2 | Sequence 2, Appli |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 55.7716 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-1
Perfect score: 81
Sequence: 1 KHKHKHKGKHKHK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 81 | 100.0 | 13 | 4 | US-10-018-103A-1 | Sequence 1, Appli |
| 2 | 81 | 100.0 | 13 | 4 | US-10-131-909A-1 | Sequence 1, Appli |
| 3 | 81 | 100.0 | 15 | 4 | US-10-018-103A-2 | Sequence 2, Appli |
| 4 | 81 | 100.0 | 15 | 4 | US-10-131-909A-2 | Sequence 2, Appli |
| 5 | 81 | 100.0 | 19 | 4 | US-10-018-103A-3 | Sequence 3, Appli |
| 6 | 81 | 100.0 | 19 | 4 | US-10-131-909A-3 | Sequence 3, Appli |
| 7 | 81 | 100.0 | 19 | 4 | US-10-136-187-45 | Sequence 45, Appl |
| 8 | 81 | 100.0 | 19 | 5 | US-10-850-873-45 | Sequence 45, Appl |
| 9 | 81 | 100.0 | 21 | 4 | US-10-018-103A-9 | Sequence 9, Appli |
| 10 | 81 | 100.0 | 21 | 4 | US-10-018-103A-16 | Sequence 16, Appl |
| 11 | 81 | 100.0 | 21 | 4 | US-10-131-909A-9 | Sequence 9, Appli |
| 12 | 81 | 100.0 | 21 | 4 | US-10-131-909A-16 | Sequence 16, Appl |
| 13 | 81 | 100.0 | 29 | 4 | US-10-018-103A-4 | Sequence 4, Appli |
| 14 | 81 | 100.0 | 29 | 4 | US-10-131-909A-4 | Sequence 4, Appli |
| 15 | 75 | 92.6 | 980 | 4 | US-10-369-493-1406 | Sequence 1406, Ap |
| 16 | 75 | 92.6 | 980 | 4 | US-10-451-467A-32 | Sequence 32, Appl |
| 17 | 73 | 90.1 | 29 | 4 | US-10-018-103A-7 | Sequence 7, Appli |
| 18 | 73 | 90.1 | 29 | 4 | US-10-131-909A-7 | Sequence 7, Appli |
| 19 | 68 | 84.0 | 1199 | 4 | US-10-147-268-4 | Sequence 4, Appli |
| 20 | 68 | 84.0 | 1199 | 4 | US-10-338-279-4 | Sequence 4, Appli |
| 21 | 68 | 84.0 | 1199 | 4 | US-10-408-765A-2020 | Sequence 2020, Ap |
| 22 | 68 | 84.0 | 1199 | 5 | US-10-756-149-5165 | Sequence 5165, Ap |

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| 23 | 63 | 77.8 | 11 | 5 | US-10-857-435A-31 | Sequence 31, Appl |
| 24 | 61 | 75.3 | 16 | 3 | US-09-778-200-27 | Sequence 27, Appl |
| 25 | 61 | 75.3 | 16 | 4 | US-10-192-832-30 | Sequence 30, Appl |
| 26 | 61 | 75.3 | 16 | 5 | US-10-431-000B-25 | Sequence 25, Appl |
| 27 | 61 | 75.3 | 16 | 5 | US-10-877-068-27 | Sequence 27, Appl |
| 28 | 61 | 75.3 | 16 | 5 | US-10-968-790-27 | Sequence 27, Appl |
| 29 | 60 | 74.1 | 19 | 4 | US-10-018-103A-13 | Sequence 13, Appl |
| 30 | 60 | 74.1 | 19 | 4 | US-10-131-909A-13 | Sequence 13, Appl |
| 31 | 59 | 72.8 | 1007 | 4 | US-10-211-133-7 | Sequence 7, Appli |
| 32 | 59 | 72.8 | 1043 | 4 | US-10-097-340-258 | Sequence 258, App |
| 33 | 59 | 72.8 | 1043 | 6 | US-11-050-926-258 | Sequence 258, App |
| 34 | 58 | 71.6 | 337 | 4 | US-10-270-333-96 | Sequence 96, Appl |
| 35 | 58 | 71.6 | 337 | 6 | US-11-097-143-17679 | Sequence 17679, A |
| 36 | 57 | 70.4 | 104 | 4 | US-10-437-963-114806 | Sequence 114806, |
| 37 | 56.5 | 69.8 | 874 | 6 | US-11-097-143-18096 | Sequence 18096, A |
| 38 | 56 | 69.1 | 1219 | 6 | US-11-097-143-14646 | Sequence 14646, A |
| 39 | 55.5 | 68.5 | 931 | 4 | US-10-170-385-39 | Sequence 39, Appl |
| 40 | 55.5 | 68.5 | 931 | 4 | US-10-408-765A-1585 | Sequence 1585, Ap |
| 41 | 55 | 67.9 | 10 | 4 | US-10-018-103A-14 | Sequence 14, Appl |
| 42 | 55 | 67.9 | 10 | 4 | US-10-131-909A-14 | Sequence 14, Appl |
| 43 | 55 | 67.9 | 10 | 4 | US-10-104-307-18 | Sequence 18, Appl |
| 44 | 55 | 67.9 | 17 | 4 | US-10-131-909A-17 | Sequence 17, Appl |
| 45 | 54 | 66.7 | 639 | 6 | US-11-097-143-33207 | Sequence 33207, A |
| 46 | 53.5 | 66.0 | 341 | 6 | US-11-097-143-30555 | Sequence 30555, A |
| 47 | 53 | 65.4 | 18 | 4 | US-10-390-472-64 | Sequence 64, Appl |
| 48 | 53 | 65.4 | 123 | 6 | US-11-096-568A-27903 | Sequence 27903, A |
| 49 | 53 | 65.4 | 159 | 6 | US-11-096-568A-27902 | Sequence 27902, A |
| 50 | 53 | 65.4 | 221 | 6 | US-11-096-568A-27901 | Sequence 27901, A |
| 51 | 53 | 65.4 | 335 | 4 | US-10-398-186-4 | Sequence 4, Appli |
| 52 | 53 | 65.4 | 366 | 4 | US-10-406-686A-76 | Sequence 76, Appl |
| 53 | 51.5 | 63.6 | 109 | 5 | US-10-637-313-8 | Sequence 8, Appli |
| 54 | 51.5 | 63.6 | 109 | 5 | US-10-637-313-48 | Sequence 48, Appl |
| 55 | 51.5 | 63.6 | 125 | 5 | US-10-507-734-26 | Sequence 26, Appl |
| 56 | 51.5 | 63.6 | 243 | 5 | US-10-637-313-12 | Sequence 12, Appl |
| 57 | 51.5 | 63.6 | 243 | 5 | US-10-637-313-50 | Sequence 50, Appl |
| 58 | 51.5 | 63.6 | 305 | 5 | US-10-450-763-51459 | Sequence 51459, A |
| 59 | 51.5 | 63.6 | 415 | 4 | US-10-162-335-76 | Sequence 76, Appl |
| 60 | 51.5 | 63.6 | 415 | 5 | US-10-637-313-26 | Sequence 26, Appl |
| 61 | 51.5 | 63.6 | 415 | 6 | US-11-051-724-76 | Sequence 76, Appl |
| 62 | 51.5 | 63.6 | 579 | 5 | US-10-893-315-101 | Sequence 101, App |
| 63 | 51.5 | 63.6 | 579 | 5 | US-10-893-315-105 | Sequence 105, App |
| 64 | 51.5 | 63.6 | 615 | 4 | US-10-162-335-72 | Sequence 72, Appl |
| 65 | 51.5 | 63.6 | 615 | 5 | US-10-637-313-22 | Sequence 22, Appl |
| 66 | 51.5 | 63.6 | 615 | 6 | US-11-051-724-72 | Sequence 72, Appl |
| 67 | 51.5 | 63.6 | 616 | 5 | US-10-637-313-14 | Sequence 14, Appl |
| 68 | 51.5 | 63.6 | 621 | 5 | US-10-637-313-16 | Sequence 16, Appl |
| 69 | 51.5 | 63.6 | 621 | 5 | US-10-637-313-44 | Sequence 44, Appl |
| 70 | 51.5 | 63.6 | 622 | 5 | US-10-637-313-18 | Sequence 18, Appl |
| 71 | 51.5 | 63.6 | 626 | 5 | US-10-507-734-25 | Sequence 25, Appl |
| 72 | 51.5 | 63.6 | 644 | 4 | US-10-162-335-74 | Sequence 74, Appl |
| 73 | 51.5 | 63.6 | 644 | 4 | US-10-162-335-84 | Sequence 84, Appl |
| 74 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-2 | Sequence 2, Appli |
| 75 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-4 | Sequence 4, Appli |
| 76 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-6 | Sequence 6, Appli |
| 77 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-52 | Sequence 52, Appl |
| 78 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-54 | Sequence 54, Appl |
| 79 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-56 | Sequence 56, Appl |
| 80 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-58 | Sequence 58, Appl |
| 81 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-60 | Sequence 60, Appl |
| 82 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-62 | Sequence 62, Appl |
| 83 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-64 | Sequence 64, Appl |
| 84 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-66 | Sequence 66, Appl |
| 85 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-68 | Sequence 68, Appl |
| 86 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-70 | Sequence 70, Appl |
| 87 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-72 | Sequence 72, Appl |
| 88 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-74 | Sequence 74, Appl |
| 89 | 51.5 | 63.6 | 644 | 5 | US-10-637-313-76 | Sequence 76, Appl |

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| 90 | 51.5 | 63.6 | 644 | 5 | US-10-741-600-1180 | Sequence 1180, Ap |
| 91 | 51.5 | 63.6 | 644 | 5 | US-10-450-763-51460 | Sequence 51460, A |
| 92 | 51.5 | 63.6 | 644 | 6 | US-11-051-724-74 | Sequence 74, Appl |
| 93 | 51.5 | 63.6 | 644 | 6 | US-11-051-724-84 | Sequence 84, Appl |
| 94 | 51.5 | 63.6 | 720 | 5 | US-10-450-763-51462 | Sequence 51462, A |
| 95 | 51 | 63.0 | 145 | 6 | US-11-096-568A-29065 | Sequence 29065, A |
| 96 | 51 | 63.0 | 207 | 6 | US-11-096-568A-29064 | Sequence 29064, A |
| 97 | 50 | 61.7 | 68 | 4 | US-10-425-115-343636 | Sequence 343636, |
| 98 | 50 | 61.7 | 79 | 4 | US-10-424-599-245751 | Sequence 245751, |
| 99 | 50 | 61.7 | 119 | 6 | US-11-096-568A-24129 | Sequence 24129, A |
| 100 | 50 | 61.7 | 142 | 6 | US-11-096-568A-24128 | Sequence 24128, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 8.10494 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-1
Perfect score: 81
Sequence: 1 KHKHKHKGKHKHK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
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| 1 | 61 | 75.3 | 16 | 7 | US-11-254-805-49 | Sequence 49, Appl |
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| 3 | 53 | 65.4 | 18 | 7 | US-11-254-805-34 | Sequence 34, Appl |
| 4 | 53 | 65.4 | 18 | 7 | US-11-320-468-34 | Sequence 34, Appl |
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| 7 | 53 | 65.4 | 159 | 7 | US-11-056-355B-70005 | Sequence 70005, A |
| 8 | 53 | 65.4 | 159 | 7 | US-11-056-355B-87847 | Sequence 87847, A |
| 9 | 53 | 65.4 | 221 | 7 | US-11-056-355B-70004 | Sequence 70004, A |
| 10 | 53 | 65.4 | 243 | 7 | US-11-056-355B-87846 | Sequence 87846, A |
| 11 | 51.5 | 63.6 | 255 | 7 | US-11-343-003-1 | Sequence 1, Appli |
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| 13 | 51 | 63.0 | 207 | 7 | US-11-056-355B-71461 | Sequence 71461, A |
| 14 | 50 | 61.7 | 119 | 7 | US-11-056-355B-13846 | Sequence 13846, A |
| 15 | 50 | 61.7 | 142 | 7 | US-11-056-355B-13845 | Sequence 13845, A |
| 16 | 50 | 61.7 | 144 | 7 | US-11-056-355B-13138 | Sequence 13138, A |
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| 18 | 50 | 61.7 | 165 | 6 | US-10-953-349-28541 | Sequence 28541, A |
| 19 | 50 | 61.7 | 165 | 7 | US-11-056-355B-65052 | Sequence 65052, A |
| 20 | 50 | 61.7 | 205 | 7 | US-11-056-355B-13844 | Sequence 13844, A |

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| 21 | 50 | 61.7 | 218 | 7 | US-11-056-355B-13136 | Sequence 13136, A |
| 22 | 50 | 61.7 | 220 | 6 | US-10-449-902-46772 | Sequence 46772, A |
| 23 | 50 | 61.7 | 220 | 6 | US-10-449-902-48827 | Sequence 48827, A |
| 24 | 50 | 61.7 | 227 | 6 | US-10-953-349-28540 | Sequence 28540, A |
| 25 | 50 | 61.7 | 227 | 7 | US-11-056-355B-65051 | Sequence 65051, A |
| 26 | 50 | 61.7 | 233 | 6 | US-10-953-349-28539 | Sequence 28539, A |
| 27 | 50 | 61.7 | 233 | 7 | US-11-056-355B-65050 | Sequence 65050, A |
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| 30 | 49 | 60.5 | 359 | 7 | US-11-056-355B-70457 | Sequence 70457, A |
| 31 | 49 | 60.5 | 375 | 7 | US-11-056-355B-44654 | Sequence 44654, A |
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| 33 | 49 | 60.5 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |
| 34 | 49 | 60.5 | 414 | 7 | US-11-056-355B-44653 | Sequence 44653, A |
| 35 | 48 | 59.3 | 513 | 6 | US-10-449-902-35344 | Sequence 35344, A |
| 36 | 47 | 58.0 | 126 | 6 | US-10-449-902-34397 | Sequence 34397, A |
| 37 | 46 | 56.8 | 131 | 6 | US-10-449-902-31944 | Sequence 31944, A |
| 38 | 46 | 56.8 | 343 | 6 | US-10-478-743B-4 | Sequence 4, Appli |
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| 44 | 45 | 55.6 | 281 | 7 | US-11-056-355B-73385 | Sequence 73385, A |
| 45 | 45 | 55.6 | 297 | 7 | US-11-056-355B-73384 | Sequence 73384, A |
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| 54 | 45 | 55.6 | 391 | 7 | US-11-056-355B-41937 | Sequence 41937, A |
| 55 | 45 | 55.6 | 807 | 7 | US-11-330-403-4372 | Sequence 4372, Ap |
| 56 | 45 | 55.6 | 816 | 7 | US-11-330-403-5498 | Sequence 5498, Ap |
| 57 | 44.5 | 54.9 | 885 | 7 | US-11-293-697-3459 | Sequence 3459, Ap |
| 58 | 44 | 54.3 | 102 | 6 | US-10-953-349-12284 | Sequence 12284, A |
| 59 | 44 | 54.3 | 113 | 6 | US-10-953-349-12282 | Sequence 12282, A |
| 60 | 44 | 54.3 | 118 | 7 | US-11-056-355B-63699 | Sequence 63699, A |
| 61 | 44 | 54.3 | 118 | 7 | US-11-056-355B-63776 | Sequence 63776, A |
| 62 | 44 | 54.3 | 132 | 6 | US-10-953-349-22653 | Sequence 22653, A |
| 63 | 44 | 54.3 | 159 | 6 | US-10-471-571A-3816 | Sequence 3816, Ap |
| 64 | 44 | 54.3 | 159 | 7 | US-11-056-355B-63698 | Sequence 63698, A |
| 65 | 44 | 54.3 | 159 | 7 | US-11-056-355B-63775 | Sequence 63775, A |
| 66 | 44 | 54.3 | 216 | 6 | US-10-953-349-22652 | Sequence 22652, A |
| 67 | 44 | 54.3 | 523 | 6 | US-10-449-902-56096 | Sequence 56096, A |
| 68 | 44 | 54.3 | 661 | 6 | US-10-505-928-690 | Sequence 690, App |
| 69 | 44 | 54.3 | 1135 | 6 | US-10-449-902-41295 | Sequence 41295, A |
| 70 | 44 | 54.3 | 1140 | 7 | US-11-056-355B-107847 | Sequence 107847, |
| 71 | 44 | 54.3 | 1140 | 7 | US-11-056-355B-119086 | Sequence 119086, |
| 72 | 44 | 54.3 | 1148 | 7 | US-11-056-355B-70101 | Sequence 70101, A |
| 73 | 44 | 54.3 | 1176 | 7 | US-11-056-355B-107846 | Sequence 107846, |
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| 75 | 44 | 54.3 | 1184 | 7 | US-11-056-355B-70100 | Sequence 70100, A |
| 76 | 44 | 54.3 | 1296 | 7 | US-11-056-355B-107845 | Sequence 107845, |
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| 80 | 43 | 53.1 | 92 | 6 | US-10-953-349-15481 | Sequence 15481, A |
| 81 | 43 | 53.1 | 92 | 7 | US-11-056-355B-59860 | Sequence 59860, A |
| 82 | 43 | 53.1 | 95 | 6 | US-10-953-349-17168 | Sequence 17168, A |
| 83 | 43 | 53.1 | 155 | 6 | US-10-953-349-29719 | Sequence 29719, A |
| 84 | 43 | 53.1 | 189 | 6 | US-10-953-349-29718 | Sequence 29718, A |
| 85 | 43 | 53.1 | 225 | 6 | US-10-449-902-38885 | Sequence 38885, A |
| 86 | 42 | 51.9 | 16 | 7 | US-11-254-805-29 | Sequence 29, Appl |
| 87 | 42 | 51.9 | 16 | 7 | US-11-254-805-30 | Sequence 30, Appl |

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| 88 | 42 | 51.9 | 16 | 7 | US-11-320-468-29 | Sequence 29, Appl |
| 89 | 42 | 51.9 | 16 | 7 | US-11-320-468-30 | Sequence 30, Appl |
| 90 | 42 | 51.9 | 116 | 6 | US-10-953-349-14295 | Sequence 14295, A |
| 91 | 42 | 51.9 | 122 | 6 | US-10-953-349-14294 | Sequence 14294, A |
| 92 | 42 | 51.9 | 275 | 7 | US-11-056-355B-82618 | Sequence 82618, A |
| 93 | 42 | 51.9 | 276 | 7 | US-11-056-355B-7857 | Sequence 7857, Ap |
| 94 | 42 | 51.9 | 276 | 7 | US-11-056-355B-15394 | Sequence 15394, A |
| 95 | 42 | 51.9 | 276 | 7 | US-11-056-355B-20273 | Sequence 20273, A |
| 96 | 42 | 51.9 | 288 | 6 | US-10-449-902-49720 | Sequence 49720, A |
| 97 | 42 | 51.9 | 299 | 6 | US-10-953-349-5486 | Sequence 5486, Ap |
| 98 | 42 | 51.9 | 300 | 6 | US-10-953-349-5485 | Sequence 5485, Ap |
| 99 | 42 | 51.9 | 319 | 7 | US-11-056-355B-36981 | Sequence 36981, A |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 19.6296 Seconds
(without alignments)
66.887 Million cell updates/sec

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Perfect score: 94
Sequence: 1 KHKHKHKGKHKHKHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 72 | 76.6 | 1199 | 2 | US-09-332-295-4 | Sequence 4, Appli |
| 3 | 72 | 76.6 | 1199 | 2 | US-09-709-979-4 | Sequence 4, Appli |
| 4 | 72 | 76.6 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 5 | 67.5 | 71.8 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 6 | 62 | 66.0 | 18 | 1 | US-08-346-849-64 | Sequence 64, Appl |
| 7 | 62 | 66.0 | 18 | 1 | US-08-293-284A-64 | Sequence 64, Appl |
| 8 | 62 | 66.0 | 18 | 2 | US-08-898-300-64 | Sequence 64, Appl |
| 9 | 62 | 66.0 | 18 | 2 | US-08-824-513-64 | Sequence 64, Appl |
| 10 | 61 | 64.9 | 1213 | 1 | US-08-188-582-20 | Sequence 20, Appl |
| 11 | 61 | 64.9 | 1213 | 1 | US-08-646-715-20 | Sequence 20, Appl |
| 12 | 60 | 63.8 | 313 | 2 | US-08-686-528A-3 | Sequence 3, Appli |
| 13 | 60 | 63.8 | 313 | 2 | US-09-456-287-3 | Sequence 3, Appli |
| 14 | 60 | 63.8 | 337 | 2 | US-08-686-528A-2 | Sequence 2, Appli |
| 15 | 60 | 63.8 | 337 | 2 | US-09-456-287-2 | Sequence 2, Appli |
| 16 | 57 | 60.6 | 297 | 2 | US-09-248-796A-22393 | Sequence 22393, A |
| 17 | 57 | 60.6 | 582 | 2 | US-09-976-594-733 | Sequence 733, App |
| 18 | 56 | 59.6 | 110 | 2 | US-09-513-999C-7836 | Sequence 7836, Ap |
| 19 | 56 | 59.6 | 381 | 2 | US-09-919-497-96 | Sequence 96, Appl |
| 20 | 55 | 58.5 | 10 | 2 | US-10-104-307-18 | Sequence 18, Appl |
| 21 | 54.5 | 58.0 | 28 | 2 | US-09-437-912-6 | Sequence 6, Appli |

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| 22 | 54.5 | 58.0 | 47 | 2 | US-09-612-126-4 | Sequence 4, Appli |
| 23 | 54.5 | 58.0 | 62 | 2 | US-09-612-126-7 | Sequence 7, Appli |
| 24 | 54.5 | 58.0 | 83 | 2 | US-09-612-126-6 | Sequence 6, Appli |
| 25 | 54.5 | 58.0 | 94 | 2 | US-09-612-126-10 | Sequence 10, Appl |
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| 28 | 54.5 | 58.0 | 186 | 2 | US-09-612-126-8 | Sequence 8, Appli |
| 29 | 54.5 | 58.0 | 255 | 2 | US-09-612-126-1 | Sequence 1, Appli |
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| 31 | 54.5 | 58.0 | 300 | 2 | US-09-395-689-1 | Sequence 1, Appli |
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| 33 | 54.5 | 58.0 | 415 | 3 | US-10-162-335-76 | Sequence 76, Appl |
| 34 | 54.5 | 58.0 | 579 | 2 | US-09-949-002-475 | Sequence 475, App |
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| 36 | 54.5 | 58.0 | 615 | 3 | US-10-162-335-72 | Sequence 72, Appl |
| 37 | 54.5 | 58.0 | 644 | 3 | US-10-162-335-74 | Sequence 74, Appl |
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| 40 | 54.5 | 58.0 | 765 | 2 | US-09-538-092-906 | Sequence 906, App |
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| 47 | 51 | 54.3 | 531 | 2 | US-09-270-767-32631 | Sequence 32631, A |
| 48 | 51 | 54.3 | 531 | 2 | US-09-270-767-47848 | Sequence 47848, A |
| 49 | 50 | 53.2 | 16 | 1 | US-08-346-849-60 | Sequence 60, Appl |
| 50 | 50 | 53.2 | 16 | 1 | US-08-346-849-61 | Sequence 61, Appl |
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| 53 | 50 | 53.2 | 16 | 2 | US-08-898-300-60 | Sequence 60, Appl |
| 54 | 50 | 53.2 | 16 | 2 | US-08-898-300-61 | Sequence 61, Appl |
| 55 | 50 | 53.2 | 16 | 2 | US-08-824-513-60 | Sequence 60, Appl |
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| 58 | 50 | 53.2 | 400 | 2 | US-09-543-681A-6151 | Sequence 6151, Ap |
| 59 | 50 | 53.2 | 1097 | 3 | US-08-951-188A-4 | Sequence 4, Appli |
| 60 | 49.5 | 52.7 | 55 | 2 | US-09-270-767-61691 | Sequence 61691, A |
| 61 | 49.5 | 52.7 | 199 | 2 | US-09-270-767-46135 | Sequence 46135, A |
| 62 | 49 | 52.1 | 14 | 2 | US-09-648-569A-42 | Sequence 42, Appl |
| 63 | 49 | 52.1 | 14 | 2 | US-09-904-196B-12 | Sequence 12, Appl |
| 64 | 49 | 52.1 | 14 | 2 | US-09-760-008A-12 | Sequence 12, Appl |
| 65 | 49 | 52.1 | 14 | 2 | US-09-782-587B-15 | Sequence 15, Appl |
| 66 | 49 | 52.1 | 14 | 2 | US-10-192-294-12 | Sequence 12, Appl |
| 67 | 49 | 52.1 | 14 | 2 | US-09-997-623-44 | Sequence 44, Appl |
| 68 | 49 | 52.1 | 14 | 2 | US-10-195-707B-38 | Sequence 38, Appl |
| 69 | 49 | 52.1 | 14 | 3 | US-09-806-703A-24 | Sequence 24, Appl |
| 70 | 49 | 52.1 | 15 | 2 | US-09-904-196B-5 | Sequence 5, Appli |
| 71 | 49 | 52.1 | 15 | 2 | US-09-760-008A-5 | Sequence 5, Appli |
| 72 | 49 | 52.1 | 15 | 2 | US-09-556-818-26 | Sequence 26, Appl |
| 73 | 49 | 52.1 | 15 | 2 | US-09-782-587B-16 | Sequence 16, Appl |
| 74 | 49 | 52.1 | 15 | 2 | US-10-192-294-5 | Sequence 5, Appli |
| 75 | 49 | 52.1 | 15 | 2 | US-09-997-623-45 | Sequence 45, Appl |
| 76 | 49 | 52.1 | 150 | 2 | US-09-663-600A-196 | Sequence 196, App |
| 77 | 49 | 52.1 | 173 | 2 | US-09-396-937-10 | Sequence 10, Appl |
| 78 | 49 | 52.1 | 173 | 2 | US-09-396-937-12 | Sequence 12, Appl |
| 79 | 49 | 52.1 | 173 | 2 | US-09-396-937-18 | Sequence 18, Appl |
| 80 | 49 | 52.1 | 173 | 2 | US-09-396-937-20 | Sequence 20, Appl |
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| 82 | 49 | 52.1 | 187 | 2 | US-09-396-937-8 | Sequence 8, Appli |
| 83 | 49 | 52.1 | 188 | 2 | US-09-396-937-14 | Sequence 14, Appl |
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| 85 | 49 | 52.1 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 86 | 49 | 52.1 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 87 | 48 | 51.1 | 60 | 1 | US-08-255-457-1 | Sequence 1, Appli |
| 88 | 48 | 51.1 | 60 | 1 | US-09-115-032-1 | Sequence 1, Appli |

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| 89 | 48 | 51.1 | 60 | 5 | PCT-US95-05772-1 | Sequence 1, Appli |
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| 92 | 47.5 | 50.5 | 16 | 2 | US-09-437-912-8 | Sequence 8, Appli |
| 93 | 47.5 | 50.5 | 1716 | 2 | US-09-949-016-11331 | Sequence 11331, A |
| 94 | 47 | 50.0 | 80 | 2 | US-09-270-767-62448 | Sequence 62448, A |
| 95 | 47 | 50.0 | 84 | 2 | US-09-270-767-46822 | Sequence 46822, A |
| 96 | 47 | 50.0 | 109 | 2 | US-09-248-796A-26944 | Sequence 26944, A |
| 97 | 47 | 50.0 | 110 | 1 | US-08-359-696-2 | Sequence 2, Appli |
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| 99 | 47 | 50.0 | 213 | 2 | US-09-252-991A-17343 | Sequence 17343, A |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 64.3519 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-2
Perfect score: 94
Sequence: 1 KHKHKHKGKHKHKHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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| 3 | 94 | 100.0 | 19 | 4 | US-10-018-103A-3 | Sequence 3, Appli |
| 4 | 94 | 100.0 | 19 | 4 | US-10-131-909A-3 | Sequence 3, Appli |
| 5 | 94 | 100.0 | 19 | 4 | US-10-136-187-45 | Sequence 45, Appl |
| 6 | 94 | 100.0 | 19 | 5 | US-10-850-873-45 | Sequence 45, Appl |
| 7 | 94 | 100.0 | 21 | 4 | US-10-018-103A-9 | Sequence 9, Appli |
| 8 | 94 | 100.0 | 21 | 4 | US-10-018-103A-16 | Sequence 16, Appl |
| 9 | 94 | 100.0 | 21 | 4 | US-10-131-909A-9 | Sequence 9, Appli |
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| 13 | 86 | 91.5 | 29 | 4 | US-10-018-103A-7 | Sequence 7, Appli |
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| 18 | 77 | 81.9 | 980 | 4 | US-10-451-467A-32 | Sequence 32, Appl |
| 19 | 72 | 76.6 | 1199 | 4 | US-10-147-268-4 | Sequence 4, Appli |
| 20 | 72 | 76.6 | 1199 | 4 | US-10-338-279-4 | Sequence 4, Appli |
| 21 | 72 | 76.6 | 1199 | 4 | US-10-408-765A-2020 | Sequence 2020, Ap |
| 22 | 72 | 76.6 | 1199 | 5 | US-10-756-149-5165 | Sequence 5165, Ap |

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| 23 | 70 | 74.5 | 16 | 3 | US-09-778-200-27 | Sequence 27, Appl |
| 24 | 70 | 74.5 | 16 | 4 | US-10-192-832-30 | Sequence 30, Appl |
| 25 | 70 | 74.5 | 16 | 5 | US-10-431-000B-25 | Sequence 25, Appl |
| 26 | 70 | 74.5 | 16 | 5 | US-10-877-068-27 | Sequence 27, Appl |
| 27 | 70 | 74.5 | 16 | 5 | US-10-968-790-27 | Sequence 27, Appl |
| 28 | 70 | 74.5 | 19 | 4 | US-10-018-103A-13 | Sequence 13, Appl |
| 29 | 70 | 74.5 | 19 | 4 | US-10-131-909A-13 | Sequence 13, Appl |
| 30 | 65 | 69.1 | 337 | 4 | US-10-270-333-96 | Sequence 96, Appl |
| 31 | 65 | 69.1 | 337 | 6 | US-11-097-143-17679 | Sequence 17679, A |
| 32 | 63 | 67.0 | 11 | 5 | US-10-857-435A-31 | Sequence 31, Appl |
| 33 | 63 | 67.0 | 17 | 4 | US-10-131-909A-17 | Sequence 17, Appl |
| 34 | 62 | 66.0 | 18 | 4 | US-10-390-472-64 | Sequence 64, Appl |
| 35 | 61.5 | 65.4 | 1007 | 4 | US-10-211-133-7 | Sequence 7, Appli |
| 36 | 61.5 | 65.4 | 1043 | 4 | US-10-097-340-258 | Sequence 258, App |
| 37 | 61.5 | 65.4 | 1043 | 6 | US-11-050-926-258 | Sequence 258, App |
| 38 | 61 | 64.9 | 366 | 4 | US-10-406-686A-76 | Sequence 76, Appl |
| 39 | 61 | 64.9 | 1219 | 6 | US-11-097-143-14646 | Sequence 14646, A |
| 40 | 60 | 63.8 | 335 | 4 | US-10-398-186-4 | Sequence 4, Appli |
| 41 | 57 | 60.6 | 20 | 5 | US-10-895-064-1671 | Sequence 1671, Ap |
| 42 | 57 | 60.6 | 20 | 6 | US-11-129-741-1671 | Sequence 1671, Ap |
| 43 | 57 | 60.6 | 104 | 4 | US-10-437-963-114806 | Sequence 114806, |
| 44 | 57 | 60.6 | 123 | 6 | US-11-096-568A-27903 | Sequence 27903, A |
| 45 | 57 | 60.6 | 159 | 6 | US-11-096-568A-27902 | Sequence 27902, A |
| 46 | 57 | 60.6 | 221 | 6 | US-11-096-568A-27901 | Sequence 27901, A |
| 47 | 57 | 60.6 | 291 | 4 | US-10-425-114-60385 | Sequence 60385, A |
| 48 | 57 | 60.6 | 315 | 4 | US-10-425-114-49525 | Sequence 49525, A |
| 49 | 57 | 60.6 | 320 | 4 | US-10-425-115-353923 | Sequence 353923, |
| 50 | 57 | 60.6 | 467 | 5 | US-10-739-930-10473 | Sequence 10473, A |
| 51 | 57 | 60.6 | 497 | 5 | US-10-485-555-10 | Sequence 10, Appl |
| 52 | 57 | 60.6 | 521 | 3 | US-09-925-300-1667 | Sequence 1667, Ap |
| 53 | 57 | 60.6 | 556 | 4 | US-10-144-194A-110 | Sequence 110, App |
| 54 | 57 | 60.6 | 556 | 5 | US-10-491-566-110 | Sequence 110, App |
| 55 | 57 | 60.6 | 582 | 4 | US-10-144-194A-68 | Sequence 68, Appl |
| 56 | 57 | 60.6 | 582 | 4 | US-10-144-194A-70 | Sequence 70, Appl |
| 57 | 57 | 60.6 | 582 | 5 | US-10-491-566-68 | Sequence 68, Appl |
| 58 | 57 | 60.6 | 582 | 5 | US-10-491-566-70 | Sequence 70, Appl |
| 59 | 57 | 60.6 | 639 | 6 | US-11-097-143-33207 | Sequence 33207, A |
| 60 | 57 | 60.6 | 1291 | 4 | US-10-312-352-32 | Sequence 32, Appl |
| 61 | 56.5 | 60.1 | 20 | 4 | US-10-018-103A-6 | Sequence 6, Appli |
| 62 | 56.5 | 60.1 | 20 | 4 | US-10-131-909A-6 | Sequence 6, Appli |
| 63 | 56.5 | 60.1 | 874 | 6 | US-11-097-143-18096 | Sequence 18096, A |
| 64 | 56 | 59.6 | 240 | 3 | US-09-925-300-1658 | Sequence 1658, Ap |
| 65 | 56 | 59.6 | 299 | 4 | US-10-210-172-20 | Sequence 20, Appl |
| 66 | 56 | 59.6 | 359 | 6 | US-11-096-568A-28234 | Sequence 28234, A |
| 67 | 56 | 59.6 | 371 | 5 | US-10-287-436A-1121 | Sequence 1121, Ap |
| 68 | 56 | 59.6 | 375 | 6 | US-11-096-568A-28233 | Sequence 28233, A |
| 69 | 56 | 59.6 | 381 | 3 | US-09-919-497-96 | Sequence 96, Appl |
| 70 | 56 | 59.6 | 381 | 5 | US-10-287-436A-424 | Sequence 424, App |
| 71 | 56 | 59.6 | 381 | 5 | US-10-784-004-727 | Sequence 727, App |
| 72 | 56 | 59.6 | 381 | 5 | US-10-784-004-1087 | Sequence 1087, Ap |
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| 74 | 56 | 59.6 | 385 | 5 | US-10-784-004-407 | Sequence 407, App |
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| 80 | 55.5 | 59.0 | 931 | 4 | US-10-170-385-39 | Sequence 39, Appl |
| 81 | 55.5 | 59.0 | 931 | 4 | US-10-408-765A-1585 | Sequence 1585, Ap |
| 82 | 55 | 58.5 | 10 | 4 | US-10-018-103A-14 | Sequence 14, Appl |
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| 84 | 55 | 58.5 | 10 | 4 | US-10-104-307-18 | Sequence 18, Appl |
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| 86 | 55 | 58.5 | 227 | 6 | US-11-096-568A-11372 | Sequence 11372, A |
| 87 | 55 | 58.5 | 233 | 6 | US-11-096-568A-11371 | Sequence 11371, A |
| 88 | 54.5 | 58.0 | 109 | 5 | US-10-637-313-8 | Sequence 8, Appli |
| 89 | 54.5 | 58.0 | 109 | 5 | US-10-637-313-48 | Sequence 48, Appl |

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| 91 | 54.5 | 58.0 | 243 | 5 | US-10-637-313-12 | Sequence 12, Appl |
| 92 | 54.5 | 58.0 | 243 | 5 | US-10-637-313-50 | Sequence 50, Appl |
| 93 | 54.5 | 58.0 | 305 | 5 | US-10-450-763-51459 | Sequence 51459, A |
| 94 | 54.5 | 58.0 | 363 | 4 | US-10-094-749-1983 | Sequence 1983, Ap |
| 95 | 54.5 | 58.0 | 415 | 4 | US-10-162-335-76 | Sequence 76, Appl |
| 96 | 54.5 | 58.0 | 415 | 5 | US-10-637-313-26 | Sequence 26, Appl |
| 97 | 54.5 | 58.0 | 415 | 6 | US-11-051-724-76 | Sequence 76, Appl |
| 98 | 54.5 | 58.0 | 579 | 5 | US-10-893-315-101 | Sequence 101, App |
| 99 | 54.5 | 58.0 | 579 | 5 | US-10-893-315-105 | Sequence 105, App |
| 100 | 54.5 | 58.0 | 615 | 4 | US-10-162-335-72 | Sequence 72, Appl |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 9.35185 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-2
Perfect score: 94
Sequence: 1 KHKHKHKGKHKHKHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
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| 1 | 70 | 74.5 | 16 | 7 | US-11-254-805-49 | Sequence 49, Appl |
| 2 | 70 | 74.5 | 16 | 7 | US-11-320-468-49 | Sequence 49, Appl |
| 3 | 62 | 66.0 | 18 | 7 | US-11-254-805-34 | Sequence 34, Appl |
| 4 | 62 | 66.0 | 18 | 7 | US-11-320-468-34 | Sequence 34, Appl |
| 5 | 57 | 60.6 | 123 | 7 | US-11-056-355B-70006 | Sequence 70006, A |
| 6 | 57 | 60.6 | 123 | 7 | US-11-056-355B-87848 | Sequence 87848, A |
| 7 | 57 | 60.6 | 159 | 7 | US-11-056-355B-70005 | Sequence 70005, A |
| 8 | 57 | 60.6 | 159 | 7 | US-11-056-355B-87847 | Sequence 87847, A |
| 9 | 57 | 60.6 | 221 | 7 | US-11-056-355B-70004 | Sequence 70004, A |
| 10 | 57 | 60.6 | 243 | 7 | US-11-056-355B-87846 | Sequence 87846, A |
| 11 | 56 | 59.6 | 126 | 6 | US-10-449-902-34397 | Sequence 34397, A |
| 12 | 56 | 59.6 | 359 | 7 | US-11-056-355B-44655 | Sequence 44655, A |
| 13 | 56 | 59.6 | 359 | 7 | US-11-056-355B-70457 | Sequence 70457, A |
| 14 | 56 | 59.6 | 375 | 7 | US-11-056-355B-44654 | Sequence 44654, A |
| 15 | 56 | 59.6 | 375 | 7 | US-11-056-355B-70456 | Sequence 70456, A |
| 16 | 56 | 59.6 | 381 | 6 | US-10-505-928-73 | Sequence 73, Appl |
| 17 | 56 | 59.6 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |
| 18 | 56 | 59.6 | 414 | 7 | US-11-056-355B-44653 | Sequence 44653, A |
| 19 | 55.5 | 59.0 | 145 | 7 | US-11-056-355B-71462 | Sequence 71462, A |
| 20 | 55.5 | 59.0 | 207 | 7 | US-11-056-355B-71461 | Sequence 71461, A |

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| 21 | 55 | 58.5 | 165 | 6 | US-10-953-349-28541 | Sequence 28541, A |
| 22 | 55 | 58.5 | 165 | 7 | US-11-056-355B-65052 | Sequence 65052, A |
| 23 | 55 | 58.5 | 220 | 6 | US-10-449-902-48827 | Sequence 48827, A |
| 24 | 55 | 58.5 | 227 | 6 | US-10-953-349-28540 | Sequence 28540, A |
| 25 | 55 | 58.5 | 227 | 7 | US-11-056-355B-65051 | Sequence 65051, A |
| 26 | 55 | 58.5 | 233 | 6 | US-10-953-349-28539 | Sequence 28539, A |
| 27 | 55 | 58.5 | 233 | 7 | US-11-056-355B-65050 | Sequence 65050, A |
| 28 | 54.5 | 58.0 | 255 | 7 | US-11-343-003-1 | Sequence 1, Appli |
| 29 | 54.5 | 58.0 | 343 | 6 | US-10-478-743B-4 | Sequence 4, Appli |
| 30 | 54.5 | 58.0 | 382 | 6 | US-10-478-743B-2 | Sequence 2, Appli |
| 31 | 54 | 57.4 | 16 | 7 | US-11-254-805-18 | Sequence 18, Appl |
| 32 | 54 | 57.4 | 16 | 7 | US-11-320-468-18 | Sequence 18, Appl |
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| 34 | 54 | 57.4 | 142 | 7 | US-11-056-355B-13845 | Sequence 13845, A |
| 35 | 54 | 57.4 | 144 | 7 | US-11-056-355B-13138 | Sequence 13138, A |
| 36 | 54 | 57.4 | 155 | 7 | US-11-056-355B-13137 | Sequence 13137, A |
| 37 | 54 | 57.4 | 205 | 7 | US-11-056-355B-13844 | Sequence 13844, A |
| 38 | 54 | 57.4 | 218 | 7 | US-11-056-355B-13136 | Sequence 13136, A |
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| 41 | 52 | 55.3 | 102 | 6 | US-10-953-349-12284 | Sequence 12284, A |
| 42 | 52 | 55.3 | 113 | 6 | US-10-953-349-12282 | Sequence 12282, A |
| 43 | 52 | 55.3 | 118 | 7 | US-11-056-355B-63699 | Sequence 63699, A |
| 44 | 52 | 55.3 | 118 | 7 | US-11-056-355B-63776 | Sequence 63776, A |
| 45 | 52 | 55.3 | 159 | 7 | US-11-056-355B-63698 | Sequence 63698, A |
| 46 | 52 | 55.3 | 159 | 7 | US-11-056-355B-63775 | Sequence 63775, A |
| 47 | 52 | 55.3 | 513 | 6 | US-10-449-902-35344 | Sequence 35344, A |
| 48 | 52 | 55.3 | 807 | 7 | US-11-330-403-4372 | Sequence 4372, Ap |
| 49 | 52 | 55.3 | 816 | 7 | US-11-330-403-5498 | Sequence 5498, Ap |
| 50 | 51 | 54.3 | 155 | 6 | US-10-953-349-29719 | Sequence 29719, A |
| 51 | 51 | 54.3 | 189 | 6 | US-10-953-349-29718 | Sequence 29718, A |
| 52 | 50 | 53.2 | 16 | 7 | US-11-254-805-29 | Sequence 29, Appl |
| 53 | 50 | 53.2 | 16 | 7 | US-11-254-805-30 | Sequence 30, Appl |
| 54 | 50 | 53.2 | 16 | 7 | US-11-320-468-29 | Sequence 29, Appl |
| 55 | 50 | 53.2 | 16 | 7 | US-11-320-468-30 | Sequence 30, Appl |
| 56 | 50 | 53.2 | 288 | 6 | US-10-449-902-49720 | Sequence 49720, A |
| 57 | 50 | 53.2 | 299 | 6 | US-10-953-349-5486 | Sequence 5486, Ap |
| 58 | 50 | 53.2 | 300 | 6 | US-10-953-349-5485 | Sequence 5485, Ap |
| 59 | 50 | 53.2 | 448 | 6 | US-10-953-349-5484 | Sequence 5484, Ap |
| 60 | 49.5 | 52.7 | 375 | 6 | US-10-953-349-20171 | Sequence 20171, A |
| 61 | 49.5 | 52.7 | 402 | 6 | US-10-953-349-20170 | Sequence 20170, A |
| 62 | 49 | 52.1 | 114 | 7 | US-11-056-355B-15089 | Sequence 15089, A |
| 63 | 49 | 52.1 | 139 | 7 | US-11-056-355B-15088 | Sequence 15088, A |
| 64 | 49 | 52.1 | 884 | 7 | US-11-105-233-58 | Sequence 58, Appl |
| 65 | 48 | 51.1 | 393 | 7 | US-11-056-355B-47973 | Sequence 47973, A |
| 66 | 48 | 51.1 | 722 | 6 | US-10-449-902-51079 | Sequence 51079, A |
| 67 | 48 | 51.1 | 885 | 7 | US-11-293-697-3459 | Sequence 3459, Ap |
| 68 | 47 | 50.0 | 72 | 7 | US-11-056-355B-55785 | Sequence 55785, A |
| 69 | 47 | 50.0 | 137 | 7 | US-11-056-355B-55784 | Sequence 55784, A |
| 70 | 47 | 50.0 | 264 | 7 | US-11-056-355B-73386 | Sequence 73386, A |
| 71 | 47 | 50.0 | 266 | 6 | US-10-449-902-33546 | Sequence 33546, A |
| 72 | 47 | 50.0 | 275 | 7 | US-11-056-355B-82618 | Sequence 82618, A |
| 73 | 47 | 50.0 | 281 | 7 | US-11-056-355B-73385 | Sequence 73385, A |
| 74 | 47 | 50.0 | 293 | 7 | US-11-056-355B-22617 | Sequence 22617, A |
| 75 | 47 | 50.0 | 295 | 7 | US-11-056-355B-22616 | Sequence 22616, A |
| 76 | 47 | 50.0 | 297 | 7 | US-11-056-355B-73384 | Sequence 73384, A |
| 77 | 47 | 50.0 | 317 | 7 | US-11-056-355B-41939 | Sequence 41939, A |
| 78 | 47 | 50.0 | 317 | 7 | US-11-056-355B-99540 | Sequence 99540, A |
| 79 | 47 | 50.0 | 317 | 7 | US-11-056-355B-110779 | Sequence 110779, |
| 80 | 47 | 50.0 | 337 | 7 | US-11-056-355B-82617 | Sequence 82617, A |
| 81 | 47 | 50.0 | 354 | 7 | US-11-056-355B-41938 | Sequence 41938, A |
| 82 | 47 | 50.0 | 354 | 7 | US-11-056-355B-99539 | Sequence 99539, A |
| 83 | 47 | 50.0 | 354 | 7 | US-11-056-355B-110778 | Sequence 110778, |
| 84 | 47 | 50.0 | 390 | 7 | US-11-056-355B-99538 | Sequence 99538, A |
| 85 | 47 | 50.0 | 390 | 7 | US-11-056-355B-110777 | Sequence 110777, |
| 86 | 47 | 50.0 | 391 | 7 | US-11-056-355B-41937 | Sequence 41937, A |
| 87 | 46 | 48.9 | 16 | 7 | US-11-254-805-22 | Sequence 22, Appl |

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| 88 | 46 | 48.9 | 16 | 7 | US-11-320-468-22 | Sequence 22, Appl |
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| 90 | 46 | 48.9 | 197 | 6 | US-10-449-902-49648 | Sequence 49648, A |
| 91 | 46 | 48.9 | 319 | 7 | US-11-056-355B-36981 | Sequence 36981, A |
| 92 | 46 | 48.9 | 319 | 7 | US-11-056-355B-101817 | Sequence 101817, |
| 93 | 46 | 48.9 | 319 | 7 | US-11-056-355B-113056 | Sequence 113056, |
| 94 | 46 | 48.9 | 368 | 7 | US-11-056-355B-36980 | Sequence 36980, A |
| 95 | 46 | 48.9 | 368 | 7 | US-11-056-355B-101816 | Sequence 101816, |
| 96 | 46 | 48.9 | 368 | 7 | US-11-056-355B-113055 | Sequence 113055, |
| 97 | 46 | 48.9 | 407 | 7 | US-11-056-355B-106330 | Sequence 106330, |
| 98 | 46 | 48.9 | 407 | 7 | US-11-056-355B-117569 | Sequence 117569, |
| 99 | 46 | 48.9 | 410 | 7 | US-11-056-355B-36979 | Sequence 36979, A |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 24.8642 Seconds
(without alignments)
66.887 Million cell updates/sec

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Perfect score: 120
Sequence: 1 KHKHKHKHKGKHKHKHKHK 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 4 | 80 | 66.7 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 5 | 78 | 65.0 | 18 | 1 | US-08-346-849-64 | Sequence 64, Appl |
| 6 | 78 | 65.0 | 18 | 1 | US-08-293-284A-64 | Sequence 64, Appl |
| 7 | 78 | 65.0 | 18 | 2 | US-08-898-300-64 | Sequence 64, Appl |
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| 25 | 61.5 | 51.2 | 62 | 2 | US-09-612-126-7 | Sequence 7, Appli |
| 26 | 61.5 | 51.2 | 83 | 2 | US-09-612-126-6 | Sequence 6, Appli |
| 27 | 61.5 | 51.2 | 94 | 2 | US-09-612-126-10 | Sequence 10, Appl |
| 28 | 61.5 | 51.2 | 179 | 2 | US-09-612-126-11 | Sequence 11, Appl |
| 29 | 61.5 | 51.2 | 186 | 2 | US-09-612-126-8 | Sequence 8, Appli |
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| 31 | 61.5 | 51.2 | 255 | 2 | US-10-129-946-1 | Sequence 1, Appli |
| 32 | 61.5 | 51.2 | 415 | 3 | US-10-162-335-76 | Sequence 76, Appl |
| 33 | 61.5 | 51.2 | 579 | 2 | US-09-949-002-475 | Sequence 475, App |
| 34 | 61.5 | 51.2 | 579 | 2 | US-09-949-002-481 | Sequence 481, App |
| 35 | 61.5 | 51.2 | 615 | 3 | US-10-162-335-72 | Sequence 72, Appl |
| 36 | 61.5 | 51.2 | 644 | 3 | US-10-162-335-74 | Sequence 74, Appl |
| 37 | 61.5 | 51.2 | 644 | 3 | US-10-162-335-84 | Sequence 84, Appl |
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| 42 | 61 | 50.8 | 150 | 2 | US-09-395-689-2 | Sequence 2, Appli |
| 43 | 61 | 50.8 | 203 | 2 | US-09-270-767-34950 | Sequence 34950, A |
| 44 | 61 | 50.8 | 203 | 2 | US-09-270-767-50167 | Sequence 50167, A |
| 45 | 61 | 50.8 | 256 | 2 | US-09-248-796A-20184 | Sequence 20184, A |
| 46 | 61 | 50.8 | 297 | 2 | US-09-248-796A-22393 | Sequence 22393, A |
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| 55 | 60.5 | 50.4 | 363 | 2 | US-10-094-749-1983 | Sequence 1983, Ap |
| 56 | 60.5 | 50.4 | 1402 | 2 | US-09-248-796A-14503 | Sequence 14503, A |
| 57 | 60 | 50.0 | 130 | 2 | US-10-104-047-3570 | Sequence 3570, Ap |
| 58 | 60 | 50.0 | 218 | 2 | US-09-252-991A-25291 | Sequence 25291, A |
| 59 | 60 | 50.0 | 399 | 2 | US-09-506-066E-10 | Sequence 10, Appl |
| 60 | 60 | 50.0 | 1284 | 2 | US-10-296-144-5 | Sequence 5, Appli |
| 61 | 59 | 49.2 | 297 | 2 | US-09-489-039A-12802 | Sequence 12802, A |
| 62 | 59 | 49.2 | 1664 | 1 | US-08-642-846-2 | Sequence 2, Appli |
| 63 | 59 | 49.2 | 1664 | 2 | US-09-264-604-2 | Sequence 2, Appli |
| 64 | 59 | 49.2 | 1664 | 2 | US-09-978-343-2 | Sequence 2, Appli |
| 65 | 59 | 49.2 | 1664 | 6 | US-09-599-652-2 | Sequence 2, Appli |
| 66 | 58.5 | 48.8 | 253 | 2 | US-09-270-767-42427 | Sequence 42427, A |
| 67 | 58 | 48.3 | 16 | 1 | US-08-346-849-60 | Sequence 60, Appl |
| 68 | 58 | 48.3 | 16 | 1 | US-08-346-849-61 | Sequence 61, Appl |
| 69 | 58 | 48.3 | 16 | 1 | US-08-293-284A-60 | Sequence 60, Appl |
| 70 | 58 | 48.3 | 16 | 1 | US-08-293-284A-61 | Sequence 61, Appl |
| 71 | 58 | 48.3 | 16 | 2 | US-08-898-300-60 | Sequence 60, Appl |
| 72 | 58 | 48.3 | 16 | 2 | US-08-898-300-61 | Sequence 61, Appl |
| 73 | 58 | 48.3 | 16 | 2 | US-08-824-513-60 | Sequence 60, Appl |
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| 77 | 58 | 48.3 | 367 | 2 | US-09-540-236-2996 | Sequence 2996, Ap |
| 78 | 58 | 48.3 | 408 | 2 | US-09-270-767-42361 | Sequence 42361, A |
| 79 | 57 | 47.5 | 10 | 2 | US-10-104-307-18 | Sequence 18, Appl |
| 80 | 57 | 47.5 | 274 | 2 | US-09-711-164-369 | Sequence 369, App |
| 81 | 57 | 47.5 | 274 | 2 | US-09-711-164-407 | Sequence 407, App |
| 82 | 57 | 47.5 | 344 | 2 | US-09-134-001C-3524 | Sequence 3524, Ap |
| 83 | 57 | 47.5 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 84 | 57 | 47.5 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 85 | 57 | 47.5 | 582 | 2 | US-09-976-594-733 | Sequence 733, App |
| 86 | 56.5 | 47.1 | 1716 | 2 | US-09-949-016-11331 | Sequence 11331, A |
| 87 | 56 | 46.7 | 110 | 2 | US-09-513-999C-7836 | Sequence 7836, Ap |
| 88 | 56 | 46.7 | 148 | 2 | US-09-461-325-453 | Sequence 453, App |

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| 89 | 56 | 46.7 | 148 | 2 | US-10-012-542-453 | Sequence 453, App |
| 90 | 56 | 46.7 | 148 | 2 | US-10-115-123-453 | Sequence 453, App |
| 91 | 56 | 46.7 | 261 | 2 | US-09-602-565-34 | Sequence 34, Appl |
| 92 | 56 | 46.7 | 363 | 2 | US-09-328-352-4930 | Sequence 4930, Ap |
| 93 | 56 | 46.7 | 381 | 2 | US-09-919-497-96 | Sequence 96, Appl |
| 94 | 56 | 46.7 | 533 | 2 | US-09-252-991A-23560 | Sequence 23560, A |
| 95 | 56 | 46.7 | 618 | 2 | US-09-248-796A-14560 | Sequence 14560, A |
| 96 | 56 | 46.7 | 1097 | 3 | US-08-951-188A-4 | Sequence 4, Appli |
| 97 | 55.5 | 46.2 | 726 | 3 | US-08-951-188A-50 | Sequence 50, Appl |
| 98 | 55 | 45.8 | 120 | 2 | US-09-327-750F-37 | Sequence 37, Appl |
| 99 | 55 | 45.8 | 120 | 2 | US-09-327-750F-38 | Sequence 38, Appl |
| 100 | 55 | 45.8 | 203 | 2 | US-09-252-991A-26395 | Sequence 26395, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 81.5123 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-3
Perfect score: 120
Sequence: 1 KHKHKHKHKGKHKHKHKHK 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 120 | 100.0 | 19 | 4 | US-10-136-187-45 | Sequence 45, Appl |
| 4 | 120 | 100.0 | 19 | 5 | US-10-850-873-45 | Sequence 45, Appl |
| 5 | 120 | 100.0 | 21 | 4 | US-10-018-103A-9 | Sequence 9, Appli |
| 6 | 120 | 100.0 | 21 | 4 | US-10-018-103A-16 | Sequence 16, Appl |
| 7 | 120 | 100.0 | 21 | 4 | US-10-131-909A-9 | Sequence 9, Appli |
| 8 | 120 | 100.0 | 21 | 4 | US-10-131-909A-16 | Sequence 16, Appl |
| 9 | 120 | 100.0 | 29 | 4 | US-10-018-103A-4 | Sequence 4, Appli |
| 10 | 120 | 100.0 | 29 | 4 | US-10-131-909A-4 | Sequence 4, Appli |
| 11 | 99 | 82.5 | 29 | 4 | US-10-018-103A-7 | Sequence 7, Appli |
| 12 | 99 | 82.5 | 29 | 4 | US-10-131-909A-7 | Sequence 7, Appli |
| 13 | 94 | 78.3 | 15 | 4 | US-10-018-103A-2 | Sequence 2, Appli |
| 14 | 94 | 78.3 | 15 | 4 | US-10-131-909A-2 | Sequence 2, Appli |
| 15 | 90 | 75.0 | 19 | 4 | US-10-018-103A-13 | Sequence 13, Appl |
| 16 | 90 | 75.0 | 19 | 4 | US-10-131-909A-13 | Sequence 13, Appl |
| 17 | 89 | 74.2 | 980 | 4 | US-10-369-493-1406 | Sequence 1406, Ap |
| 18 | 89 | 74.2 | 980 | 4 | US-10-451-467A-32 | Sequence 32, Appl |
| 19 | 84.5 | 70.4 | 1007 | 4 | US-10-211-133-7 | Sequence 7, Appli |
| 20 | 84.5 | 70.4 | 1043 | 4 | US-10-097-340-258 | Sequence 258, App |
| 21 | 84.5 | 70.4 | 1043 | 6 | US-11-050-926-258 | Sequence 258, App |
| 22 | 81 | 67.5 | 13 | 4 | US-10-018-103A-1 | Sequence 1, Appli |

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| 23 | 81 | 67.5 | 13 | 4 | US-10-131-909A-1 | Sequence 1, Appli |
| 24 | 80 | 66.7 | 335 | 4 | US-10-398-186-4 | Sequence 4, Appli |
| 25 | 80 | 66.7 | 366 | 4 | US-10-406-686A-76 | Sequence 76, Appl |
| 26 | 80 | 66.7 | 1199 | 4 | US-10-147-268-4 | Sequence 4, Appli |
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| 30 | 79.5 | 66.2 | 20 | 4 | US-10-018-103A-6 | Sequence 6, Appli |
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| 33 | 78 | 65.0 | 16 | 4 | US-10-192-832-30 | Sequence 30, Appl |
| 34 | 78 | 65.0 | 16 | 5 | US-10-431-000B-25 | Sequence 25, Appl |
| 35 | 78 | 65.0 | 16 | 5 | US-10-877-068-27 | Sequence 27, Appl |
| 36 | 78 | 65.0 | 16 | 5 | US-10-968-790-27 | Sequence 27, Appl |
| 37 | 78 | 65.0 | 18 | 4 | US-10-390-472-64 | Sequence 64, Appl |
| 38 | 75 | 62.5 | 17 | 4 | US-10-131-909A-17 | Sequence 17, Appl |
| 39 | 74.5 | 62.1 | 639 | 6 | US-11-097-143-33207 | Sequence 33207, A |
| 40 | 72 | 60.0 | 337 | 4 | US-10-270-333-96 | Sequence 96, Appl |
| 41 | 72 | 60.0 | 337 | 6 | US-11-097-143-17679 | Sequence 17679, A |
| 42 | 71 | 59.2 | 467 | 5 | US-10-739-930-10473 | Sequence 10473, A |
| 43 | 70 | 58.3 | 19 | 4 | US-10-018-103A-11 | Sequence 11, Appl |
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| 45 | 70 | 58.3 | 1219 | 6 | US-11-097-143-14646 | Sequence 14646, A |
| 46 | 69 | 57.5 | 428 | 4 | US-10-437-963-199613 | Sequence 199613, |
| 47 | 69 | 57.5 | 1291 | 4 | US-10-312-352-32 | Sequence 32, Appl |
| 48 | 68 | 56.7 | 75 | 4 | US-10-424-599-167493 | Sequence 167493, |
| 49 | 68 | 56.7 | 165 | 6 | US-11-096-568A-11373 | Sequence 11373, A |
| 50 | 68 | 56.7 | 227 | 6 | US-11-096-568A-11372 | Sequence 11372, A |
| 51 | 68 | 56.7 | 233 | 6 | US-11-096-568A-11371 | Sequence 11371, A |
| 52 | 67.5 | 56.2 | 20 | 4 | US-10-018-103A-5 | Sequence 5, Appli |
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| 54 | 67 | 55.8 | 217 | 6 | US-11-097-143-5385 | Sequence 5385, Ap |
| 55 | 67 | 55.8 | 429 | 4 | US-10-282-122A-52569 | Sequence 52569, A |
| 56 | 66 | 55.0 | 440 | 4 | US-10-425-115-199466 | Sequence 199466, |
| 57 | 66 | 55.0 | 1266 | 5 | US-10-723-860-4398 | Sequence 4398, Ap |
| 58 | 66 | 55.0 | 1281 | 4 | US-10-363-616-334 | Sequence 334, App |
| 59 | 65.5 | 54.6 | 119 | 6 | US-11-096-568A-24129 | Sequence 24129, A |
| 60 | 65.5 | 54.6 | 142 | 6 | US-11-096-568A-24128 | Sequence 24128, A |
| 61 | 65.5 | 54.6 | 201 | 4 | US-10-425-114-70425 | Sequence 70425, A |
| 62 | 65.5 | 54.6 | 205 | 4 | US-10-425-115-357812 | Sequence 357812, |
| 63 | 65.5 | 54.6 | 205 | 6 | US-11-096-568A-24127 | Sequence 24127, A |
| 64 | 65.5 | 54.6 | 216 | 4 | US-10-425-114-68080 | Sequence 68080, A |
| 65 | 65 | 54.2 | 243 | 3 | US-09-867-550-678 | Sequence 678, App |
| 66 | 65 | 54.2 | 287 | 4 | US-10-282-122A-59708 | Sequence 59708, A |
| 67 | 65 | 54.2 | 291 | 4 | US-10-425-114-60385 | Sequence 60385, A |
| 68 | 65 | 54.2 | 315 | 4 | US-10-425-114-49525 | Sequence 49525, A |
| 69 | 65 | 54.2 | 320 | 4 | US-10-425-115-353923 | Sequence 353923, |
| 70 | 65 | 54.2 | 446 | 4 | US-10-424-599-265245 | Sequence 265245, |
| 71 | 65 | 54.2 | 1046 | 6 | US-11-097-143-27876 | Sequence 27876, A |
| 72 | 65 | 54.2 | 1064 | 6 | US-11-097-143-3996 | Sequence 3996, Ap |
| 73 | 64 | 53.3 | 574 | 4 | US-10-156-761-14106 | Sequence 14106, A |
| 74 | 63.5 | 52.9 | 964 | 6 | US-11-097-143-14541 | Sequence 14541, A |
| 75 | 63 | 52.5 | 11 | 5 | US-10-857-435A-31 | Sequence 31, Appl |
| 76 | 63 | 52.5 | 68 | 4 | US-10-425-115-343636 | Sequence 343636, |
| 77 | 63 | 52.5 | 123 | 6 | US-11-096-568A-27903 | Sequence 27903, A |
| 78 | 63 | 52.5 | 143 | 4 | US-10-424-599-254661 | Sequence 254661, |
| 79 | 63 | 52.5 | 144 | 6 | US-11-096-568A-19656 | Sequence 19656, A |
| 80 | 63 | 52.5 | 155 | 6 | US-11-096-568A-19655 | Sequence 19655, A |
| 81 | 63 | 52.5 | 159 | 6 | US-11-096-568A-27902 | Sequence 27902, A |
| 82 | 63 | 52.5 | 217 | 4 | US-10-425-115-218015 | Sequence 218015, |
| 83 | 63 | 52.5 | 218 | 4 | US-10-425-114-64096 | Sequence 64096, A |
| 84 | 63 | 52.5 | 218 | 4 | US-10-425-115-313121 | Sequence 313121, |
| 85 | 63 | 52.5 | 218 | 6 | US-11-096-568A-19654 | Sequence 19654, A |
| 86 | 63 | 52.5 | 221 | 6 | US-11-096-568A-27901 | Sequence 27901, A |
| 87 | 63 | 52.5 | 260 | 6 | US-11-097-143-11829 | Sequence 11829, A |
| 88 | 63 | 52.5 | 359 | 6 | US-11-096-568A-28234 | Sequence 28234, A |
| 89 | 63 | 52.5 | 375 | 6 | US-11-096-568A-28233 | Sequence 28233, A |

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| 91 | 63 | 52.5 | 385 | 5 | US-10-784-004-940 | Sequence 940, App |
| 92 | 63 | 52.5 | 385 | 6 | US-11-096-568A-28232 | Sequence 28232, A |
| 93 | 63 | 52.5 | 395 | 4 | US-10-424-599-254664 | Sequence 254664, |
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| 95 | 63 | 52.5 | 899 | 4 | US-10-437-963-122313 | Sequence 122313, |
| 96 | 62.5 | 52.1 | 172 | 4 | US-10-437-963-143267 | Sequence 143267, |
| 97 | 62.5 | 52.1 | 526 | 4 | US-10-437-963-143265 | Sequence 143265, |
| 98 | 62.5 | 52.1 | 931 | 4 | US-10-170-385-39 | Sequence 39, Appl |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 11.8457 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-3
Perfect score: 120
Sequence: 1 KHKHKHKHKGKHKHKHKHK 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 78 | 65.0 | 16 | 7 | US-11-320-468-49 | Sequence 49, Appl |
| 3 | 78 | 65.0 | 18 | 7 | US-11-254-805-34 | Sequence 34, Appl |
| 4 | 78 | 65.0 | 18 | 7 | US-11-320-468-34 | Sequence 34, Appl |
| 5 | 68 | 56.7 | 165 | 6 | US-10-953-349-28541 | Sequence 28541, A |
| 6 | 68 | 56.7 | 165 | 7 | US-11-056-355B-65052 | Sequence 65052, A |
| 7 | 68 | 56.7 | 227 | 6 | US-10-953-349-28540 | Sequence 28540, A |
| 8 | 68 | 56.7 | 227 | 7 | US-11-056-355B-65051 | Sequence 65051, A |
| 9 | 68 | 56.7 | 233 | 6 | US-10-953-349-28539 | Sequence 28539, A |
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| 14 | 65.5 | 54.6 | 142 | 7 | US-11-056-355B-13845 | Sequence 13845, A |
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| 18 | 64 | 53.3 | 448 | 6 | US-10-953-349-5484 | Sequence 5484, Ap |
| 19 | 63 | 52.5 | 123 | 7 | US-11-056-355B-70006 | Sequence 70006, A |
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| 22 | 63 | 52.5 | 155 | 7 | US-11-056-355B-13137 | Sequence 13137, A |
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| 27 | 63 | 52.5 | 221 | 7 | US-11-056-355B-70004 | Sequence 70004, A |
| 28 | 63 | 52.5 | 243 | 7 | US-11-056-355B-87846 | Sequence 87846, A |
| 29 | 63 | 52.5 | 359 | 7 | US-11-056-355B-44655 | Sequence 44655, A |
| 30 | 63 | 52.5 | 359 | 7 | US-11-056-355B-70457 | Sequence 70457, A |
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| 32 | 63 | 52.5 | 375 | 7 | US-11-056-355B-70456 | Sequence 70456, A |
| 33 | 63 | 52.5 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |
| 34 | 63 | 52.5 | 414 | 7 | US-11-056-355B-44653 | Sequence 44653, A |
| 35 | 62 | 51.7 | 16 | 7 | US-11-254-805-18 | Sequence 18, Appl |
| 36 | 62 | 51.7 | 16 | 7 | US-11-320-468-18 | Sequence 18, Appl |
| 37 | 62 | 51.7 | 201 | 7 | US-11-293-697-3199 | Sequence 3199, Ap |
| 38 | 61.5 | 51.2 | 255 | 7 | US-11-343-003-1 | Sequence 1, Appli |
| 39 | 61 | 50.8 | 266 | 6 | US-10-449-902-33546 | Sequence 33546, A |
| 40 | 60.5 | 50.4 | 145 | 7 | US-11-056-355B-71462 | Sequence 71462, A |
| 41 | 60.5 | 50.4 | 207 | 7 | US-11-056-355B-71461 | Sequence 71461, A |
| 42 | 60.5 | 50.4 | 343 | 6 | US-10-478-743B-4 | Sequence 4, Appli |
| 43 | 60.5 | 50.4 | 382 | 6 | US-10-478-743B-2 | Sequence 2, Appli |
| 44 | 60 | 50.0 | 807 | 7 | US-11-330-403-4372 | Sequence 4372, Ap |
| 45 | 60 | 50.0 | 816 | 7 | US-11-330-403-5498 | Sequence 5498, Ap |
| 46 | 59 | 49.2 | 405 | 7 | US-11-056-355B-91568 | Sequence 91568, A |
| 47 | 59 | 49.2 | 405 | 7 | US-11-056-355B-95324 | Sequence 95324, A |
| 48 | 59 | 49.2 | 407 | 7 | US-11-056-355B-106330 | Sequence 106330, |
| 49 | 59 | 49.2 | 407 | 7 | US-11-056-355B-117569 | Sequence 117569, |
| 50 | 59 | 49.2 | 496 | 7 | US-11-056-355B-71816 | Sequence 71816, A |
| 51 | 59 | 49.2 | 548 | 7 | US-11-056-355B-71815 | Sequence 71815, A |
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| 53 | 59 | 49.2 | 630 | 7 | US-11-056-355B-95323 | Sequence 95323, A |
| 54 | 59 | 49.2 | 684 | 7 | US-11-056-355B-71814 | Sequence 71814, A |
| 55 | 59 | 49.2 | 740 | 7 | US-11-251-208-230 | Sequence 230, App |
| 56 | 59 | 49.2 | 798 | 7 | US-11-056-355B-91566 | Sequence 91566, A |
| 57 | 59 | 49.2 | 798 | 7 | US-11-056-355B-95322 | Sequence 95322, A |
| 58 | 59 | 49.2 | 885 | 7 | US-11-293-697-3459 | Sequence 3459, Ap |
| 59 | 58 | 48.3 | 16 | 7 | US-11-254-805-29 | Sequence 29, Appl |
| 60 | 58 | 48.3 | 16 | 7 | US-11-254-805-30 | Sequence 30, Appl |
| 61 | 58 | 48.3 | 16 | 7 | US-11-320-468-29 | Sequence 29, Appl |
| 62 | 58 | 48.3 | 16 | 7 | US-11-320-468-30 | Sequence 30, Appl |
| 63 | 57.5 | 47.9 | 375 | 6 | US-10-953-349-20171 | Sequence 20171, A |
| 64 | 57.5 | 47.9 | 402 | 6 | US-10-953-349-20170 | Sequence 20170, A |
| 65 | 57 | 47.5 | 102 | 6 | US-10-953-349-12284 | Sequence 12284, A |
| 66 | 57 | 47.5 | 113 | 6 | US-10-953-349-12282 | Sequence 12282, A |
| 67 | 57 | 47.5 | 513 | 6 | US-10-449-902-35344 | Sequence 35344, A |
| 68 | 57 | 47.5 | 905 | 6 | US-10-449-902-41605 | Sequence 41605, A |
| 69 | 56.5 | 47.1 | 884 | 7 | US-11-105-233-58 | Sequence 58, Appl |
| 70 | 56 | 46.7 | 126 | 6 | US-10-449-902-34397 | Sequence 34397, A |
| 71 | 56 | 46.7 | 197 | 6 | US-10-449-902-49648 | Sequence 49648, A |
| 72 | 56 | 46.7 | 381 | 6 | US-10-505-928-73 | Sequence 73, Appl |
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| 74 | 55 | 45.8 | 131 | 6 | US-10-449-902-31944 | Sequence 31944, A |
| 75 | 55 | 45.8 | 226 | 7 | US-11-293-697-4030 | Sequence 4030, Ap |
| 76 | 55 | 45.8 | 230 | 6 | US-10-953-349-24618 | Sequence 24618, A |
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| 78 | 55 | 45.8 | 3397 | 7 | US-11-063-439-245 | Sequence 245, App |
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| 80 | 55 | 45.8 | 3524 | 7 | US-11-063-439-61 | Sequence 61, Appl |
| 81 | 55 | 45.8 | 3544 | 7 | US-11-063-439-19 | Sequence 19, Appl |
| 82 | 55 | 45.8 | 3544 | 7 | US-11-063-439-158 | Sequence 158, App |
| 83 | 55 | 45.8 | 3578 | 7 | US-11-063-439-74 | Sequence 74, Appl |
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| 85 | 54 | 45.0 | 16 | 7 | US-11-254-805-22 | Sequence 22, Appl |
| 86 | 54 | 45.0 | 16 | 7 | US-11-320-468-22 | Sequence 22, Appl |
| 87 | 54 | 45.0 | 128 | 6 | US-10-953-349-30316 | Sequence 30316, A |

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| 88 | 54 | 45.0 | 202 | 6 | US-10-953-349-30314 | Sequence 30314, A |
| 89 | 54 | 45.0 | 323 | 7 | US-11-056-355B-82708 | Sequence 82708, A |
| 90 | 54 | 45.0 | 368 | 7 | US-11-056-355B-82707 | Sequence 82707, A |
| 91 | 54 | 45.0 | 378 | 7 | US-11-056-355B-82706 | Sequence 82706, A |
| 92 | 54 | 45.0 | 498 | 6 | US-10-449-902-36716 | Sequence 36716, A |
| 93 | 54 | 45.0 | 498 | 6 | US-10-449-902-48560 | Sequence 48560, A |
| 94 | 54 | 45.0 | 498 | 6 | US-10-449-902-55170 | Sequence 55170, A |
| 95 | 54 | 45.0 | 944 | 6 | US-10-449-902-41232 | Sequence 41232, A |
| 96 | 54 | 45.0 | 3482 | 7 | US-11-063-439-48 | Sequence 48, Appl |
| 97 | 54 | 45.0 | 3496 | 7 | US-11-063-439-230 | Sequence 230, App |
| 98 | 54 | 45.0 | 3517 | 7 | US-11-063-439-8 | Sequence 8, Appli |
| 99 | 54 | 45.0 | 3711 | 7 | US-11-063-439-261 | Sequence 261, App |
| 100 | 53.5 | 44.6 | 225 | 6 | US-10-449-902-38885 | Sequence 38885, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 37.9506 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-4
Perfect score: 183
Sequence: 1 KHKHKHKHKGKHKHKHKHKGKHKHKHKHK 29

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5_COMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
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| 1 | 114 | 62.3 | 313 | 2 | US-08-686-528A-3 | Sequence 3, Appli |
| 2 | 114 | 62.3 | 313 | 2 | US-09-456-287-3 | Sequence 3, Appli |
| 3 | 114 | 62.3 | 337 | 2 | US-08-686-528A-2 | Sequence 2, Appli |
| 4 | 114 | 62.3 | 337 | 2 | US-09-456-287-2 | Sequence 2, Appli |
| 5 | 104.5 | 57.1 | 1199 | 2 | US-09-208-742-2 | Sequence 2, Appli |
| 6 | 104.5 | 57.1 | 1199 | 2 | US-09-332-295-4 | Sequence 4, Appli |
| 7 | 104.5 | 57.1 | 1199 | 2 | US-09-709-979-4 | Sequence 4, Appli |
| 8 | 104.5 | 57.1 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 9 | 92.5 | 50.5 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 10 | 90 | 49.2 | 400 | 2 | US-09-543-681A-6151 | Sequence 6151, Ap |
| 11 | 86 | 47.0 | 297 | 2 | US-09-489-039A-12802 | Sequence 12802, A |
| 12 | 84 | 45.9 | 726 | 2 | US-09-126-980-2 | Sequence 2, Appli |
| 13 | 84 | 45.9 | 726 | 2 | US-09-476-482-2 | Sequence 2, Appli |
| 14 | 84 | 45.9 | 726 | 2 | US-09-517-605-6 | Sequence 6, Appli |
| 15 | 83.5 | 45.6 | 213 | 2 | US-09-248-796A-16185 | Sequence 16185, A |
| 16 | 83.5 | 45.6 | 300 | 2 | US-09-395-689-1 | Sequence 1, Appli |
| 17 | 83.5 | 45.6 | 765 | 1 | US-08-663-112-2 | Sequence 2, Appli |
| 18 | 83.5 | 45.6 | 765 | 2 | US-09-538-092-906 | Sequence 906, App |
| 19 | 83.5 | 45.6 | 765 | 2 | US-09-882-274-2 | Sequence 2, Appli |
| 20 | 80 | 43.7 | 94 | 2 | US-09-612-126-10 | Sequence 10, Appl |
| 21 | 80 | 43.7 | 179 | 2 | US-09-612-126-11 | Sequence 11, Appl |

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| 22 | 80 | 43.7 | 186 | 2 | US-09-612-126-8 | Sequence 8, Appli |
| 23 | 80 | 43.7 | 255 | 2 | US-09-612-126-1 | Sequence 1, Appli |
| 24 | 80 | 43.7 | 255 | 2 | US-10-129-946-1 | Sequence 1, Appli |
| 25 | 80 | 43.7 | 256 | 2 | US-09-248-796A-20184 | Sequence 20184, A |
| 26 | 80 | 43.7 | 415 | 3 | US-10-162-335-76 | Sequence 76, Appl |
| 27 | 80 | 43.7 | 579 | 2 | US-09-949-002-475 | Sequence 475, App |
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| 29 | 80 | 43.7 | 615 | 3 | US-10-162-335-72 | Sequence 72, Appl |
| 30 | 80 | 43.7 | 644 | 3 | US-10-162-335-74 | Sequence 74, Appl |
| 31 | 80 | 43.7 | 644 | 3 | US-10-162-335-84 | Sequence 84, Appl |
| 32 | 79.5 | 43.4 | 28 | 2 | US-09-437-912-6 | Sequence 6, Appli |
| 33 | 79.5 | 43.4 | 47 | 2 | US-09-612-126-4 | Sequence 4, Appli |
| 34 | 79.5 | 43.4 | 62 | 2 | US-09-612-126-7 | Sequence 7, Appli |
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| 37 | 78 | 42.6 | 18 | 1 | US-08-346-849-64 | Sequence 64, Appl |
| 38 | 78 | 42.6 | 18 | 1 | US-08-293-284A-64 | Sequence 64, Appl |
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| 40 | 78 | 42.6 | 18 | 2 | US-08-824-513-64 | Sequence 64, Appl |
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| 42 | 77 | 42.1 | 150 | 2 | US-09-395-689-2 | Sequence 2, Appli |
| 43 | 77 | 42.1 | 203 | 2 | US-09-270-767-35326 | Sequence 35326, A |
| 44 | 77 | 42.1 | 203 | 2 | US-09-270-767-50543 | Sequence 50543, A |
| 45 | 76.5 | 41.8 | 533 | 2 | US-09-252-991A-23560 | Sequence 23560, A |
| 46 | 76 | 41.5 | 261 | 2 | US-09-602-565-34 | Sequence 34, Appl |
| 47 | 75.5 | 41.3 | 1402 | 2 | US-09-248-796A-14503 | Sequence 14503, A |
| 48 | 75 | 41.0 | 218 | 2 | US-09-252-991A-25291 | Sequence 25291, A |
| 49 | 74.5 | 40.7 | 663 | 2 | US-09-949-016-6046 | Sequence 6046, Ap |
| 50 | 74.5 | 40.7 | 673 | 2 | US-09-949-016-7834 | Sequence 7834, Ap |
| 51 | 74.5 | 40.7 | 696 | 3 | US-08-951-188A-45 | Sequence 45, Appl |
| 52 | 74.5 | 40.7 | 729 | 3 | US-08-951-188A-47 | Sequence 47, Appl |
| 53 | 74.5 | 40.7 | 1213 | 1 | US-08-188-582-20 | Sequence 20, Appl |
| 54 | 74.5 | 40.7 | 1213 | 1 | US-08-646-715-20 | Sequence 20, Appl |
| 55 | 74 | 40.4 | 130 | 2 | US-10-104-047-3570 | Sequence 3570, Ap |
| 56 | 74 | 40.4 | 425 | 2 | US-09-270-767-45380 | Sequence 45380, A |
| 57 | 72.5 | 39.6 | 1664 | 1 | US-08-642-846-2 | Sequence 2, Appli |
| 58 | 72.5 | 39.6 | 1664 | 2 | US-09-264-604-2 | Sequence 2, Appli |
| 59 | 72.5 | 39.6 | 1664 | 2 | US-09-978-343-2 | Sequence 2, Appli |
| 60 | 72.5 | 39.6 | 1664 | 6 | US-09-599-652-2 | Sequence 2, Appli |
| 61 | 72 | 39.3 | 163 | 2 | US-09-902-540-13395 | Sequence 13395, A |
| 62 | 72 | 39.3 | 363 | 2 | US-09-328-352-4930 | Sequence 4930, Ap |
| 63 | 72 | 39.3 | 726 | 3 | US-08-951-188A-50 | Sequence 50, Appl |
| 64 | 71 | 38.8 | 30 | 2 | US-10-021-818A-68 | Sequence 68, Appl |
| 65 | 71 | 38.8 | 40 | 2 | US-09-039-780A-6 | Sequence 6, Appli |
| 66 | 71 | 38.8 | 83 | 2 | US-09-420-592A-10 | Sequence 10, Appl |
| 67 | 71 | 38.8 | 83 | 2 | US-09-985-442-10 | Sequence 10, Appl |
| 68 | 71 | 38.8 | 83 | 2 | US-09-983-580-10 | Sequence 10, Appl |
| 69 | 71 | 38.8 | 792 | 2 | US-09-645-835A-4 | Sequence 4, Appli |
| 70 | 71 | 38.8 | 1097 | 3 | US-08-951-188A-4 | Sequence 4, Appli |
| 71 | 70.5 | 38.5 | 274 | 2 | US-09-711-164-369 | Sequence 369, App |
| 72 | 70.5 | 38.5 | 274 | 2 | US-09-711-164-407 | Sequence 407, App |
| 73 | 70.5 | 38.5 | 474 | 2 | US-09-461-474-10 | Sequence 10, Appl |
| 74 | 70 | 38.3 | 349 | 2 | US-09-461-474-12 | Sequence 12, Appl |
| 75 | 70 | 38.3 | 381 | 2 | US-09-919-497-96 | Sequence 96, Appl |
| 76 | 69.5 | 38.0 | 316 | 2 | US-09-252-991A-27084 | Sequence 27084, A |
| 77 | 69 | 37.7 | 82 | 2 | US-09-248-796A-21887 | Sequence 21887, A |
| 78 | 68 | 37.2 | 74 | 2 | US-09-673-395A-181 | Sequence 181, App |
| 79 | 68 | 37.2 | 117 | 2 | US-09-513-999C-5282 | Sequence 5282, Ap |
| 80 | 68 | 37.2 | 219 | 2 | US-09-270-767-57647 | Sequence 57647, A |
| 81 | 68 | 37.2 | 363 | 2 | US-10-094-749-1983 | Sequence 1983, Ap |
| 82 | 68 | 37.2 | 408 | 2 | US-09-270-767-42361 | Sequence 42361, A |
| 83 | 68 | 37.2 | 491 | 2 | US-09-248-796A-19540 | Sequence 19540, A |
| 84 | 67.5 | 36.9 | 971 | 2 | US-09-248-796A-19531 | Sequence 19531, A |
| 85 | 67 | 36.6 | 63 | 2 | US-09-513-999C-5320 | Sequence 5320, Ap |
| 86 | 67 | 36.6 | 77 | 2 | US-09-248-796A-22718 | Sequence 22718, A |
| 87 | 67 | 36.6 | 221 | 2 | US-09-792-024-111 | Sequence 111, App |
| 88 | 67 | 36.6 | 729 | 2 | US-09-949-016-6686 | Sequence 6686, Ap |

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| 89 | 66.5 | 36.3 | 242 | 2 | US-09-270-767-42417 | Sequence 42417, A |
| 90 | 66 | 36.1 | 28 | 2 | US-10-021-818A-67 | Sequence 67, Appl |
| 91 | 66 | 36.1 | 525 | 2 | US-09-976-594-64 | Sequence 64, Appl |
| 92 | 66 | 36.1 | 525 | 2 | US-09-919-039-62 | Sequence 62, Appl |
| 93 | 66 | 36.1 | 565 | 2 | US-09-270-767-41555 | Sequence 41555, A |
| 94 | 65.5 | 35.8 | 125 | 2 | US-09-248-796A-24231 | Sequence 24231, A |
| 95 | 65.5 | 35.8 | 360 | 2 | US-09-270-767-44273 | Sequence 44273, A |
| 96 | 65 | 35.5 | 203 | 2 | US-09-252-991A-26395 | Sequence 26395, A |
| 97 | 65 | 35.5 | 297 | 2 | US-09-248-796A-22393 | Sequence 22393, A |
| 98 | 65 | 35.5 | 439 | 2 | US-09-248-796A-15955 | Sequence 15955, A |
| 99 | 65 | 35.5 | 1462 | 2 | US-09-538-092-1043 | Sequence 1043, Ap |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 124.414 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-4
Perfect score: 183
Sequence: 1 KHKHKHKHKGKHKHKHKHKGKHKHKHKHK 29

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 120 | 65.6 | 19 | 4 | US-10-018-103A-3 | Sequence 3, Appli |
| 4 | 120 | 65.6 | 19 | 4 | US-10-131-909A-3 | Sequence 3, Appli |
| 5 | 120 | 65.6 | 19 | 4 | US-10-136-187-45 | Sequence 45, Appl |
| 6 | 120 | 65.6 | 19 | 5 | US-10-850-873-45 | Sequence 45, Appl |
| 7 | 120 | 65.6 | 21 | 4 | US-10-018-103A-9 | Sequence 9, Appli |
| 8 | 120 | 65.6 | 21 | 4 | US-10-018-103A-16 | Sequence 16, Appl |
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| 13 | 115 | 62.8 | 335 | 4 | US-10-398-186-4 | Sequence 4, Appli |
| 14 | 113 | 61.7 | 366 | 4 | US-10-406-686A-76 | Sequence 76, Appl |
| 15 | 110.5 | 60.4 | 1007 | 4 | US-10-211-133-7 | Sequence 7, Appli |
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| 28 | 93 | 50.8 | 337 | 6 | US-11-097-143-17679 | Sequence 17679, A |
| 29 | 92.5 | 50.5 | 467 | 5 | US-10-739-930-10473 | Sequence 10473, A |
| 30 | 91 | 49.7 | 359 | 6 | US-11-096-568A-28234 | Sequence 28234, A |
| 31 | 91 | 49.7 | 375 | 6 | US-11-096-568A-28233 | Sequence 28233, A |
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| 36 | 88.5 | 48.4 | 639 | 6 | US-11-097-143-33207 | Sequence 33207, A |
| 37 | 87 | 47.5 | 165 | 6 | US-11-096-568A-11373 | Sequence 11373, A |
| 38 | 87 | 47.5 | 227 | 6 | US-11-096-568A-11372 | Sequence 11372, A |
| 39 | 87 | 47.5 | 233 | 6 | US-11-096-568A-11371 | Sequence 11371, A |
| 40 | 87 | 47.5 | 429 | 4 | US-10-282-122A-52569 | Sequence 52569, A |
| 41 | 86 | 47.0 | 106 | 4 | US-10-106-698-6339 | Sequence 6339, Ap |
| 42 | 86 | 47.0 | 408 | 4 | US-10-377-636-2 | Sequence 2, Appli |
| 43 | 86 | 47.0 | 885 | 4 | US-10-108-260A-3459 | Sequence 3459, Ap |
| 44 | 86 | 47.0 | 931 | 4 | US-10-170-385-39 | Sequence 39, Appl |
| 45 | 86 | 47.0 | 931 | 4 | US-10-408-765A-1585 | Sequence 1585, Ap |
| 46 | 85 | 46.4 | 79 | 4 | US-10-424-599-167353 | Sequence 167353, |
| 47 | 85 | 46.4 | 102 | 4 | US-10-424-599-180431 | Sequence 180431, |
| 48 | 85 | 46.4 | 302 | 5 | US-10-857-435A-615 | Sequence 615, App |
| 49 | 85 | 46.4 | 378 | 4 | US-10-029-386-33892 | Sequence 33892, A |
| 50 | 84 | 45.9 | 78 | 4 | US-10-195-730-186 | Sequence 186, App |
| 51 | 84 | 45.9 | 78 | 4 | US-10-799-747-186 | Sequence 186, App |
| 52 | 84 | 45.9 | 78 | 5 | US-10-979-183-186 | Sequence 186, App |
| 53 | 84 | 45.9 | 82 | 3 | US-09-864-761-33313 | Sequence 33313, A |
| 54 | 84 | 45.9 | 245 | 5 | US-10-450-763-58378 | Sequence 58378, A |
| 55 | 84 | 45.9 | 440 | 4 | US-10-425-115-199466 | Sequence 199466, |
| 56 | 84 | 45.9 | 446 | 4 | US-10-424-599-265245 | Sequence 265245, |
| 57 | 84 | 45.9 | 725 | 5 | US-10-732-923-2694 | Sequence 2694, Ap |
| 58 | 84 | 45.9 | 726 | 3 | US-09-932-257A-19 | Sequence 19, Appl |
| 59 | 84 | 45.9 | 726 | 4 | US-10-151-274-6 | Sequence 6, Appli |
| 60 | 84 | 45.9 | 726 | 5 | US-10-732-923-2699 | Sequence 2699, Ap |
| 61 | 84 | 45.9 | 726 | 5 | US-10-732-923-2700 | Sequence 2700, Ap |
| 62 | 84 | 45.9 | 726 | 5 | US-10-756-149-5522 | Sequence 5522, Ap |
| 63 | 84 | 45.9 | 727 | 5 | US-10-732-923-2697 | Sequence 2697, Ap |
| 64 | 84 | 45.9 | 727 | 5 | US-10-732-923-2698 | Sequence 2698, Ap |
| 65 | 84 | 45.9 | 920 | 6 | US-11-097-143-12861 | Sequence 12861, A |
| 66 | 84 | 45.9 | 1257 | 4 | US-10-369-493-6761 | Sequence 6761, Ap |
| 67 | 84 | 45.9 | 1257 | 5 | US-10-732-923-8684 | Sequence 8684, Ap |
| 68 | 84 | 45.9 | 1336 | 5 | US-10-732-923-8683 | Sequence 8683, Ap |
| 69 | 83.5 | 45.6 | 520 | 5 | US-10-741-849-7024 | Sequence 7024, Ap |
| 70 | 83.5 | 45.6 | 765 | 3 | US-09-882-274-2 | Sequence 2, Appli |
| 71 | 83.5 | 45.6 | 765 | 4 | US-10-408-765A-1149 | Sequence 1149, Ap |
| 72 | 83.5 | 45.6 | 765 | 5 | US-10-484-577-679 | Sequence 679, App |
| 73 | 83.5 | 45.6 | 1046 | 6 | US-11-097-143-27876 | Sequence 27876, A |
| 74 | 83.5 | 45.6 | 1064 | 6 | US-11-097-143-3996 | Sequence 3996, Ap |
| 75 | 83 | 45.4 | 119 | 6 | US-11-096-568A-24129 | Sequence 24129, A |
| 76 | 83 | 45.4 | 142 | 6 | US-11-096-568A-24128 | Sequence 24128, A |
| 77 | 83 | 45.4 | 143 | 4 | US-10-424-599-254661 | Sequence 254661, |
| 78 | 83 | 45.4 | 201 | 4 | US-10-425-114-70425 | Sequence 70425, A |
| 79 | 83 | 45.4 | 205 | 4 | US-10-425-115-357812 | Sequence 357812, |
| 80 | 83 | 45.4 | 205 | 6 | US-11-096-568A-24127 | Sequence 24127, A |
| 81 | 83 | 45.4 | 216 | 4 | US-10-425-114-68080 | Sequence 68080, A |
| 82 | 83 | 45.4 | 233 | 5 | US-10-450-763-50126 | Sequence 50126, A |
| 83 | 83 | 45.4 | 395 | 4 | US-10-424-599-254664 | Sequence 254664, |
| 84 | 83 | 45.4 | 406 | 5 | US-10-450-763-57609 | Sequence 57609, A |
| 85 | 83 | 45.4 | 749 | 6 | US-11-097-143-23127 | Sequence 23127, A |
| 86 | 83 | 45.4 | 789 | 6 | US-11-097-143-23004 | Sequence 23004, A |
| 87 | 82.5 | 45.1 | 94 | 5 | US-10-450-763-38743 | Sequence 38743, A |
| 88 | 82.5 | 45.1 | 217 | 6 | US-11-097-143-5385 | Sequence 5385, Ap |
| 89 | 82 | 44.8 | 49 | 3 | US-09-864-761-37882 | Sequence 37882, A |

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| 90 | 82 | 44.8 | 110 | 4 | US-10-424-599-223020 | Sequence 223020, |
| 91 | 82 | 44.8 | 183 | 5 | US-10-450-763-55696 | Sequence 55696, A |
| 92 | 82 | 44.8 | 324 | 5 | US-10-450-763-50868 | Sequence 50868, A |
| 93 | 81.5 | 44.5 | 20 | 4 | US-10-018-103A-5 | Sequence 5, Appli |
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| 95 | 81.5 | 44.5 | 68 | 4 | US-10-425-115-343636 | Sequence 343636, |
| 96 | 81.5 | 44.5 | 1219 | 6 | US-11-097-143-14646 | Sequence 14646, A |
| 97 | 81 | 44.3 | 13 | 4 | US-10-018-103A-1 | Sequence 1, Appli |
| 98 | 81 | 44.3 | 13 | 4 | US-10-131-909A-1 | Sequence 1, Appli |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 18.0802 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-4
Perfect score: 183
Sequence: 1 KHKHKHKHKGKHKHKHKHKGKHKHKHKHK 29

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 91 | 49.7 | 375 | 7 | US-11-056-355B-44654 | Sequence 44654, A |
| 4 | 91 | 49.7 | 375 | 7 | US-11-056-355B-70456 | Sequence 70456, A |
| 5 | 91 | 49.7 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |
| 6 | 91 | 49.7 | 414 | 7 | US-11-056-355B-44653 | Sequence 44653, A |
| 7 | 87 | 47.5 | 165 | 6 | US-10-953-349-28541 | Sequence 28541, A |
| 8 | 87 | 47.5 | 165 | 7 | US-11-056-355B-65052 | Sequence 65052, A |
| 9 | 87 | 47.5 | 220 | 6 | US-10-449-902-48827 | Sequence 48827, A |
| 10 | 87 | 47.5 | 227 | 6 | US-10-953-349-28540 | Sequence 28540, A |
| 11 | 87 | 47.5 | 227 | 7 | US-11-056-355B-65051 | Sequence 65051, A |
| 12 | 87 | 47.5 | 233 | 6 | US-10-953-349-28539 | Sequence 28539, A |
| 13 | 87 | 47.5 | 233 | 7 | US-11-056-355B-65050 | Sequence 65050, A |
| 14 | 86 | 47.0 | 885 | 7 | US-11-293-697-3459 | Sequence 3459, Ap |
| 15 | 85 | 46.4 | 102 | 6 | US-10-953-349-12284 | Sequence 12284, A |
| 16 | 85 | 46.4 | 113 | 6 | US-10-953-349-12282 | Sequence 12282, A |
| 17 | 84.5 | 46.2 | 405 | 7 | US-11-056-355B-91568 | Sequence 91568, A |
| 18 | 84.5 | 46.2 | 405 | 7 | US-11-056-355B-95324 | Sequence 95324, A |
| 19 | 84.5 | 46.2 | 630 | 7 | US-11-056-355B-91567 | Sequence 91567, A |
| 20 | 84.5 | 46.2 | 630 | 7 | US-11-056-355B-95323 | Sequence 95323, A |

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| 21 | 84.5 | 46.2 | 798 | 7 | US-11-056-355B-91566 | Sequence 91566, A |
| 22 | 84.5 | 46.2 | 798 | 7 | US-11-056-355B-95322 | Sequence 95322, A |
| 23 | 83 | 45.4 | 119 | 7 | US-11-056-355B-13846 | Sequence 13846, A |
| 24 | 83 | 45.4 | 142 | 7 | US-11-056-355B-13845 | Sequence 13845, A |
| 25 | 83 | 45.4 | 205 | 7 | US-11-056-355B-13844 | Sequence 13844, A |
| 26 | 80.5 | 44.0 | 299 | 6 | US-10-953-349-5486 | Sequence 5486, Ap |
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| 28 | 80.5 | 44.0 | 448 | 6 | US-10-953-349-5484 | Sequence 5484, Ap |
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| 30 | 80 | 43.7 | 155 | 7 | US-11-056-355B-13137 | Sequence 13137, A |
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| 32 | 80 | 43.7 | 220 | 6 | US-10-449-902-46772 | Sequence 46772, A |
| 33 | 80 | 43.7 | 255 | 7 | US-11-343-003-1 | Sequence 1, Appli |
| 34 | 80 | 43.7 | 3397 | 7 | US-11-063-439-245 | Sequence 245, App |
| 35 | 79 | 43.2 | 123 | 7 | US-11-056-355B-70006 | Sequence 70006, A |
| 36 | 79 | 43.2 | 123 | 7 | US-11-056-355B-87848 | Sequence 87848, A |
| 37 | 79 | 43.2 | 159 | 7 | US-11-056-355B-70005 | Sequence 70005, A |
| 38 | 79 | 43.2 | 159 | 7 | US-11-056-355B-87847 | Sequence 87847, A |
| 39 | 79 | 43.2 | 221 | 7 | US-11-056-355B-70004 | Sequence 70004, A |
| 40 | 79 | 43.2 | 243 | 7 | US-11-056-355B-87846 | Sequence 87846, A |
| 41 | 78 | 42.6 | 16 | 7 | US-11-254-805-49 | Sequence 49, Appl |
| 42 | 78 | 42.6 | 16 | 7 | US-11-320-468-49 | Sequence 49, Appl |
| 43 | 78 | 42.6 | 18 | 7 | US-11-254-805-34 | Sequence 34, Appl |
| 44 | 78 | 42.6 | 18 | 7 | US-11-320-468-34 | Sequence 34, Appl |
| 45 | 78 | 42.6 | 496 | 7 | US-11-056-355B-71816 | Sequence 71816, A |
| 46 | 78 | 42.6 | 548 | 7 | US-11-056-355B-71815 | Sequence 71815, A |
| 47 | 78 | 42.6 | 684 | 7 | US-11-056-355B-71814 | Sequence 71814, A |
| 48 | 78 | 42.6 | 3700 | 7 | US-11-063-439-290 | Sequence 290, App |
| 49 | 77 | 42.1 | 145 | 7 | US-11-056-355B-71462 | Sequence 71462, A |
| 50 | 77 | 42.1 | 207 | 7 | US-11-056-355B-71461 | Sequence 71461, A |
| 51 | 73 | 39.9 | 266 | 6 | US-10-449-902-33546 | Sequence 33546, A |
| 52 | 73 | 39.9 | 362 | 6 | US-10-449-902-38565 | Sequence 38565, A |
| 53 | 73 | 39.9 | 513 | 6 | US-10-449-902-35344 | Sequence 35344, A |
| 54 | 73 | 39.9 | 722 | 6 | US-10-449-902-51079 | Sequence 51079, A |
| 55 | 72 | 39.3 | 226 | 7 | US-11-293-697-4030 | Sequence 4030, Ap |
| 56 | 72 | 39.3 | 1135 | 6 | US-10-449-902-41295 | Sequence 41295, A |
| 57 | 71 | 38.8 | 197 | 6 | US-10-449-902-49648 | Sequence 49648, A |
| 58 | 70.5 | 38.5 | 418 | 6 | US-10-449-902-53635 | Sequence 53635, A |
| 59 | 70 | 38.3 | 230 | 6 | US-10-953-349-24618 | Sequence 24618, A |
| 60 | 70 | 38.3 | 381 | 6 | US-10-505-928-73 | Sequence 73, Appl |
| 61 | 70 | 38.3 | 3520 | 7 | US-11-063-439-112 | Sequence 112, App |
| 62 | 69 | 37.7 | 206 | 6 | US-10-374-780A-490 | Sequence 490, App |
| 63 | 69 | 37.7 | 233 | 6 | US-10-449-902-31878 | Sequence 31878, A |
| 64 | 69 | 37.7 | 233 | 6 | US-10-449-902-51445 | Sequence 51445, A |
| 65 | 69 | 37.7 | 233 | 6 | US-10-374-780A-488 | Sequence 488, App |
| 66 | 69 | 37.7 | 884 | 7 | US-11-105-233-58 | Sequence 58, Appl |
| 67 | 68.5 | 37.4 | 905 | 6 | US-10-449-902-41605 | Sequence 41605, A |
| 68 | 68 | 37.2 | 103 | 7 | US-11-293-697-2921 | Sequence 2921, Ap |
| 69 | 68 | 37.2 | 274 | 6 | US-10-953-349-21316 | Sequence 21316, A |
| 70 | 68 | 37.2 | 343 | 6 | US-10-478-743B-4 | Sequence 4, Appli |
| 71 | 68 | 37.2 | 382 | 6 | US-10-478-743B-2 | Sequence 2, Appli |
| 72 | 66.5 | 36.3 | 334 | 7 | US-11-251-208-489 | Sequence 489, App |
| 73 | 66.5 | 36.3 | 368 | 6 | US-10-953-349-29347 | Sequence 29347, A |
| 74 | 66.5 | 36.3 | 368 | 7 | US-11-056-355B-65560 | Sequence 65560, A |
| 75 | 66.5 | 36.3 | 406 | 6 | US-10-953-349-29346 | Sequence 29346, A |
| 76 | 66.5 | 36.3 | 406 | 7 | US-11-056-355B-65559 | Sequence 65559, A |
| 77 | 66.5 | 36.3 | 421 | 6 | US-10-953-349-29345 | Sequence 29345, A |
| 78 | 66.5 | 36.3 | 421 | 7 | US-11-056-355B-65558 | Sequence 65558, A |
| 79 | 66.5 | 36.3 | 498 | 6 | US-10-449-902-36716 | Sequence 36716, A |
| 80 | 66.5 | 36.3 | 498 | 6 | US-10-449-902-48560 | Sequence 48560, A |
| 81 | 66.5 | 36.3 | 498 | 6 | US-10-449-902-55170 | Sequence 55170, A |
| 82 | 66 | 36.1 | 285 | 6 | US-10-449-902-45169 | Sequence 45169, A |
| 83 | 65.5 | 35.8 | 3711 | 7 | US-11-063-439-261 | Sequence 261, App |
| 84 | 65 | 35.5 | 3974 | 7 | US-11-063-439-276 | Sequence 276, App |
| 85 | 64.5 | 35.2 | 396 | 6 | US-10-449-902-36367 | Sequence 36367, A |
| 86 | 64 | 35.0 | 194 | 6 | US-10-449-902-39011 | Sequence 39011, A |
| 87 | 64 | 35.0 | 330 | 7 | US-11-056-355B-43644 | Sequence 43644, A |

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| 88 | 64 | 35.0 | 330 | 7 | US-11-056-355B-97859 | Sequence 97859, A |
| 89 | 64 | 35.0 | 330 | 7 | US-11-056-355B-99438 | Sequence 99438, A |
| 90 | 64 | 35.0 | 330 | 7 | US-11-056-355B-109098 | Sequence 109098, |
| 91 | 64 | 35.0 | 330 | 7 | US-11-056-355B-110677 | Sequence 110677, |
| 92 | 64 | 35.0 | 344 | 7 | US-11-056-355B-43643 | Sequence 43643, A |
| 93 | 64 | 35.0 | 344 | 7 | US-11-056-355B-97858 | Sequence 97858, A |
| 94 | 64 | 35.0 | 344 | 7 | US-11-056-355B-99437 | Sequence 99437, A |
| 95 | 64 | 35.0 | 344 | 7 | US-11-056-355B-109097 | Sequence 109097, |
| 96 | 64 | 35.0 | 344 | 7 | US-11-056-355B-110676 | Sequence 110676, |
| 97 | 64 | 35.0 | 398 | 7 | US-11-056-355B-43642 | Sequence 43642, A |
| 98 | 64 | 35.0 | 398 | 7 | US-11-056-355B-97857 | Sequence 97857, A |
| 99 | 64 | 35.0 | 398 | 7 | US-11-056-355B-99436 | Sequence 99436, A |
| 100 | 64 | 35.0 | 398 | 7 | US-11-056-355B-109096 | Sequence 109096, |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 26.1728 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-5
Perfect score: 136
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 89.5 | 65.8 | 425 | 2 | US-09-270-767-45380 | Sequence 45380, A |
| 4 | 89 | 65.4 | 25 | 2 | US-09-721-154-14 | Sequence 14, Appl |
| 5 | 89 | 65.4 | 203 | 2 | US-09-270-767-35326 | Sequence 35326, A |
| 6 | 89 | 65.4 | 203 | 2 | US-09-270-767-50543 | Sequence 50543, A |
| 7 | 89 | 65.4 | 399 | 2 | US-09-506-066E-10 | Sequence 10, Appl |
| 8 | 86 | 63.2 | 16 | 2 | US-10-104-307-17 | Sequence 17, Appl |
| 9 | 86 | 63.2 | 1284 | 2 | US-10-296-144-5 | Sequence 5, Appli |
| 10 | 84 | 61.8 | 148 | 2 | US-09-461-325-453 | Sequence 453, App |
| 11 | 84 | 61.8 | 148 | 2 | US-10-012-542-453 | Sequence 453, App |
| 12 | 84 | 61.8 | 148 | 2 | US-10-115-123-453 | Sequence 453, App |
| 13 | 83.5 | 61.4 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 14 | 83.5 | 61.4 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 15 | 83 | 61.0 | 362 | 2 | US-09-248-796A-16633 | Sequence 16633, A |
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| 23 | 80 | 58.8 | 755 | 2 | US-10-099-322-102 | Sequence 102, App |
| 24 | 80 | 58.8 | 755 | 2 | US-10-044-564-26 | Sequence 26, Appl |
| 25 | 80 | 58.8 | 755 | 2 | US-10-044-564-102 | Sequence 102, App |
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| 28 | 79.5 | 58.5 | 763 | 1 | US-09-252-571-2 | Sequence 2, Appli |
| 29 | 79.5 | 58.5 | 763 | 2 | US-09-434-065-2 | Sequence 2, Appli |
| 30 | 79.5 | 58.5 | 763 | 2 | US-08-789-275-4 | Sequence 4, Appli |
| 31 | 79.5 | 58.5 | 763 | 2 | US-08-789-275-5 | Sequence 5, Appli |
| 32 | 79 | 58.1 | 491 | 2 | US-09-248-796A-18483 | Sequence 18483, A |
| 33 | 79 | 58.1 | 755 | 2 | US-09-642-034-5 | Sequence 5, Appli |
| 34 | 78.5 | 57.7 | 470 | 2 | US-09-506-066E-6 | Sequence 6, Appli |
| 35 | 78.5 | 57.7 | 471 | 2 | US-09-506-066E-4 | Sequence 4, Appli |
| 36 | 78 | 57.4 | 303 | 1 | US-08-203-532F-2 | Sequence 2, Appli |
| 37 | 78 | 57.4 | 303 | 2 | US-09-078-465-2 | Sequence 2, Appli |
| 38 | 78 | 57.4 | 303 | 2 | US-09-940-673B-2 | Sequence 2, Appli |
| 39 | 78 | 57.4 | 303 | 5 | PCT-US95-01882A-2 | Sequence 2, Appli |
| 40 | 78 | 57.4 | 626 | 2 | US-09-949-016-6776 | Sequence 6776, Ap |
| 41 | 78 | 57.4 | 697 | 2 | US-09-949-016-9660 | Sequence 9660, Ap |
| 42 | 77.5 | 57.0 | 60 | 1 | US-08-255-457-1 | Sequence 1, Appli |
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| 44 | 77.5 | 57.0 | 60 | 5 | PCT-US95-05772-1 | Sequence 1, Appli |
| 45 | 77 | 56.6 | 84 | 2 | US-09-270-767-57094 | Sequence 57094, A |
| 46 | 77 | 56.6 | 179 | 2 | US-09-270-767-41850 | Sequence 41850, A |
| 47 | 77 | 56.6 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 48 | 76 | 55.9 | 115 | 2 | US-09-461-325-160 | Sequence 160, App |
| 49 | 76 | 55.9 | 115 | 2 | US-10-012-542-160 | Sequence 160, App |
| 50 | 76 | 55.9 | 115 | 2 | US-10-115-123-160 | Sequence 160, App |
| 51 | 75.5 | 55.5 | 163 | 2 | US-09-902-540-13395 | Sequence 13395, A |
| 52 | 75 | 55.1 | 274 | 2 | US-09-711-164-369 | Sequence 369, App |
| 53 | 75 | 55.1 | 274 | 2 | US-09-711-164-407 | Sequence 407, App |
| 54 | 75 | 55.1 | 355 | 2 | US-09-248-796A-14612 | Sequence 14612, A |
| 55 | 74.5 | 54.8 | 434 | 2 | US-09-252-991A-30855 | Sequence 30855, A |
| 56 | 74 | 54.4 | 115 | 2 | US-09-991-181-95 | Sequence 95, Appl |
| 57 | 74 | 54.4 | 115 | 2 | US-09-990-444-95 | Sequence 95, Appl |
| 58 | 74 | 54.4 | 115 | 2 | US-09-997-333-95 | Sequence 95, Appl |
| 59 | 74 | 54.4 | 115 | 2 | US-09-992-598-95 | Sequence 95, Appl |
| 60 | 74 | 54.4 | 115 | 2 | US-09-989-735-95 | Sequence 95, Appl |
| 61 | 74 | 54.4 | 115 | 3 | US-09-989-726-95 | Sequence 95, Appl |
| 62 | 74 | 54.4 | 115 | 3 | US-09-997-514-95 | Sequence 95, Appl |
| 63 | 74 | 54.4 | 115 | 3 | US-09-989-728-95 | Sequence 95, Appl |
| 64 | 74 | 54.4 | 115 | 3 | US-09-997-349-95 | Sequence 95, Appl |
| 65 | 74 | 54.4 | 115 | 3 | US-09-997-653-95 | Sequence 95, Appl |
| 66 | 74 | 54.4 | 115 | 3 | US-09-989-293A-95 | Sequence 95, Appl |
| 67 | 74 | 54.4 | 125 | 2 | US-09-248-796A-24231 | Sequence 24231, A |
| 68 | 74 | 54.4 | 297 | 2 | US-09-489-039A-12802 | Sequence 12802, A |
| 69 | 74 | 54.4 | 485 | 2 | US-09-949-016-6557 | Sequence 6557, Ap |
| 70 | 74 | 54.4 | 504 | 2 | US-09-949-016-7783 | Sequence 7783, Ap |
| 71 | 74 | 54.4 | 633 | 2 | US-08-557-006C-43 | Sequence 43, Appl |
| 72 | 74 | 54.4 | 633 | 2 | US-09-538-092-212 | Sequence 212, App |
| 73 | 74 | 54.4 | 633 | 2 | US-09-633-328B-3 | Sequence 3, Appli |
| 74 | 74 | 54.4 | 633 | 2 | US-09-824-735-3 | Sequence 3, Appli |
| 75 | 74 | 54.4 | 633 | 2 | US-09-487-558B-338 | Sequence 338, App |
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| 77 | 73.5 | 54.0 | 726 | 2 | US-09-126-980-2 | Sequence 2, Appli |
| 78 | 73.5 | 54.0 | 726 | 2 | US-09-476-482-2 | Sequence 2, Appli |
| 79 | 73.5 | 54.0 | 726 | 2 | US-09-517-605-6 | Sequence 6, Appli |
| 80 | 73 | 53.7 | 152 | 2 | US-09-927-738-22 | Sequence 22, Appl |
| 81 | 73 | 53.7 | 220 | 2 | US-09-270-767-61056 | Sequence 61056, A |
| 82 | 73 | 53.7 | 467 | 2 | US-09-657-013-69 | Sequence 69, Appl |
| 83 | 73 | 53.7 | 467 | 2 | US-09-657-013-70 | Sequence 70, Appl |
| 84 | 73 | 53.7 | 620 | 2 | US-09-949-016-9643 | Sequence 9643, Ap |
| 85 | 73 | 53.7 | 749 | 2 | US-10-099-322-103 | Sequence 103, App |
| 86 | 73 | 53.7 | 749 | 2 | US-10-044-564-103 | Sequence 103, App |
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| 88 | 73 | 53.7 | 752 | 2 | US-10-044-564-101 | Sequence 101, App |

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| 89 | 73 | 53.7 | 923 | 2 | US-09-270-767-45546 | Sequence 45546, A |
| 90 | 72.5 | 53.3 | 114 | 2 | US-09-248-796A-23116 | Sequence 23116, A |
| 91 | 72.5 | 53.3 | 368 | 1 | US-08-211-942-17 | Sequence 17, Appl |
| 92 | 72 | 52.9 | 229 | 2 | US-09-270-767-43214 | Sequence 43214, A |
| 93 | 72 | 52.9 | 302 | 1 | US-08-203-532F-4 | Sequence 4, Appli |
| 94 | 72 | 52.9 | 302 | 2 | US-08-950-860-16 | Sequence 16, Appl |
| 95 | 72 | 52.9 | 302 | 2 | US-09-078-465-4 | Sequence 4, Appli |
| 96 | 72 | 52.9 | 302 | 2 | US-09-940-673B-4 | Sequence 4, Appli |
| 97 | 72 | 52.9 | 302 | 5 | PCT-US95-01882A-4 | Sequence 4, Appli |
| 98 | 72 | 52.9 | 313 | 2 | US-08-686-528A-3 | Sequence 3, Appli |
| 99 | 72 | 52.9 | 313 | 2 | US-09-456-287-3 | Sequence 3, Appli |
| 100 | 72 | 52.9 | 337 | 2 | US-08-686-528A-2 | Sequence 2, Appli |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 85.8025 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-5
Perfect score: 136
Sequence: 1 KHKHHKHHKHHKHHKHHKHK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 136 | 100.0 | 20 | 4 | US-10-131-909A-5 | Sequence 5, Appli |
| 3 | 109 | 80.1 | 26 | 4 | US-10-018-103A-8 | Sequence 8, Appli |
| 4 | 109 | 80.1 | 26 | 4 | US-10-131-909A-8 | Sequence 8, Appli |
| 5 | 105 | 77.2 | 15 | 4 | US-10-018-103A-15 | Sequence 15, Appl |
| 6 | 105 | 77.2 | 15 | 4 | US-10-131-909A-15 | Sequence 15, Appl |
| 7 | 97 | 71.3 | 290 | 6 | US-11-097-143-33561 | Sequence 33561, A |
| 8 | 94 | 69.1 | 227 | 5 | US-10-450-763-44758 | Sequence 44758, A |
| 9 | 94 | 69.1 | 378 | 4 | US-10-029-386-33892 | Sequence 33892, A |
| 10 | 94 | 69.1 | 1413 | 6 | US-11-097-143-9363 | Sequence 9363, Ap |
| 11 | 94 | 69.1 | 1424 | 6 | US-11-097-143-9354 | Sequence 9354, Ap |
| 12 | 93 | 68.4 | 49 | 3 | US-09-864-761-37882 | Sequence 37882, A |
| 13 | 93 | 68.4 | 67 | 4 | US-10-424-599-144585 | Sequence 144585, |
| 14 | 92 | 67.6 | 82 | 3 | US-09-864-761-33313 | Sequence 33313, A |
| 15 | 92 | 67.6 | 134 | 5 | US-10-450-763-35551 | Sequence 35551, A |
| 16 | 92 | 67.6 | 183 | 5 | US-10-450-763-55696 | Sequence 55696, A |
| 17 | 92 | 67.6 | 245 | 5 | US-10-450-763-58378 | Sequence 58378, A |
| 18 | 92 | 67.6 | 266 | 5 | US-10-450-763-33853 | Sequence 33853, A |
| 19 | 91 | 66.9 | 84 | 5 | US-10-487-078-47 | Sequence 47, Appl |
| 20 | 91 | 66.9 | 108 | 4 | US-10-029-386-31185 | Sequence 31185, A |
| 21 | 91 | 66.9 | 156 | 5 | US-10-450-763-35549 | Sequence 35549, A |
| 22 | 91 | 66.9 | 231 | 5 | US-10-450-763-35550 | Sequence 35550, A |

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| 23 | 91 | 66.9 | 496 | 6 | US-11-096-568A-29371 | Sequence 29371, A |
| 24 | 91 | 66.9 | 548 | 6 | US-11-096-568A-29370 | Sequence 29370, A |
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| 26 | 91 | 66.9 | 1300 | 6 | US-11-097-143-31017 | Sequence 31017, A |
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| 28 | 90 | 66.2 | 78 | 3 | US-09-864-761-37352 | Sequence 37352, A |
| 29 | 90 | 66.2 | 89 | 4 | US-10-424-599-194312 | Sequence 194312, |
| 30 | 90 | 66.2 | 90 | 4 | US-10-315-515-39 | Sequence 39, Appl |
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| 32 | 90 | 66.2 | 93 | 4 | US-10-315-515-46 | Sequence 46, Appl |
| 33 | 90 | 66.2 | 95 | 4 | US-10-315-515-35 | Sequence 35, Appl |
| 34 | 90 | 66.2 | 96 | 4 | US-10-315-515-34 | Sequence 34, Appl |
| 35 | 90 | 66.2 | 96 | 4 | US-10-315-515-36 | Sequence 36, Appl |
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| 46 | 90 | 66.2 | 406 | 5 | US-10-450-763-57609 | Sequence 57609, A |
| 47 | 89.5 | 65.8 | 93 | 4 | US-10-424-599-237733 | Sequence 237733, |
| 48 | 89.5 | 65.8 | 964 | 6 | US-11-097-143-14541 | Sequence 14541, A |
| 49 | 89 | 65.4 | 59 | 5 | US-10-450-763-36244 | Sequence 36244, A |
| 50 | 89 | 65.4 | 87 | 3 | US-09-864-761-33727 | Sequence 33727, A |
| 51 | 89 | 65.4 | 87 | 3 | US-09-864-761-34744 | Sequence 34744, A |
| 52 | 89 | 65.4 | 95 | 5 | US-10-450-763-33834 | Sequence 33834, A |
| 53 | 89 | 65.4 | 142 | 6 | US-11-097-143-10002 | Sequence 10002, A |
| 54 | 89 | 65.4 | 233 | 5 | US-10-450-763-50126 | Sequence 50126, A |
| 55 | 89 | 65.4 | 330 | 5 | US-10-450-763-55690 | Sequence 55690, A |
| 56 | 89 | 65.4 | 461 | 3 | US-09-764-868-765 | Sequence 765, App |
| 57 | 89 | 65.4 | 598 | 5 | US-10-450-763-53954 | Sequence 53954, A |
| 58 | 89 | 65.4 | 989 | 6 | US-11-097-143-20661 | Sequence 20661, A |
| 59 | 88.5 | 65.1 | 238 | 4 | US-10-425-114-41573 | Sequence 41573, A |
| 60 | 88.5 | 65.1 | 275 | 4 | US-10-425-115-205254 | Sequence 205254, |
| 61 | 88 | 64.7 | 292 | 3 | US-09-864-761-37944 | Sequence 37944, A |
| 62 | 87.5 | 64.3 | 275 | 6 | US-11-096-568A-15046 | Sequence 15046, A |
| 63 | 87 | 64.0 | 1137 | 6 | US-11-097-143-11301 | Sequence 11301, A |
| 64 | 87 | 64.0 | 1246 | 6 | US-11-097-143-11433 | Sequence 11433, A |
| 65 | 86.5 | 63.6 | 75 | 4 | US-10-424-599-167493 | Sequence 167493, |
| 66 | 86.5 | 63.6 | 94 | 5 | US-10-450-763-38743 | Sequence 38743, A |
| 67 | 86.5 | 63.6 | 123 | 6 | US-11-097-143-34446 | Sequence 34446, A |
| 68 | 86.5 | 63.6 | 503 | 6 | US-11-097-143-9351 | Sequence 9351, Ap |
| 69 | 86 | 63.2 | 16 | 4 | US-10-104-307-17 | Sequence 17, Appl |
| 70 | 86 | 63.2 | 29 | 4 | US-10-029-386-30014 | Sequence 30014, A |
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| 72 | 86 | 63.2 | 304 | 5 | US-10-450-763-38771 | Sequence 38771, A |
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| 76 | 85.5 | 62.9 | 140 | 4 | US-10-389-566-825 | Sequence 825, App |
| 77 | 85 | 62.5 | 51 | 5 | US-10-450-763-40872 | Sequence 40872, A |
| 78 | 85 | 62.5 | 172 | 5 | US-10-450-763-49191 | Sequence 49191, A |
| 79 | 85 | 62.5 | 287 | 4 | US-10-424-599-185725 | Sequence 185725, |
| 80 | 84.5 | 62.1 | 144 | 4 | US-10-424-599-160290 | Sequence 160290, |
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| 82 | 84 | 61.8 | 139 | 4 | US-10-425-115-193568 | Sequence 193568, |
| 83 | 84 | 61.8 | 148 | 4 | US-10-012-542-453 | Sequence 453, App |
| 84 | 84 | 61.8 | 148 | 4 | US-10-115-123-453 | Sequence 453, App |
| 85 | 84 | 61.8 | 148 | 4 | US-10-800-834-453 | Sequence 453, App |
| 86 | 84 | 61.8 | 175 | 5 | US-10-821-234-1074 | Sequence 1074, Ap |
| 87 | 84 | 61.8 | 176 | 4 | US-10-106-698-5906 | Sequence 5906, Ap |
| 88 | 84 | 61.8 | 186 | 4 | US-10-029-386-34005 | Sequence 34005, A |
| 89 | 84 | 61.8 | 580 | 6 | US-11-097-143-35349 | Sequence 35349, A |

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| 94 | 83 | 61.0 | 314 | 4 | US-10-374-780A-1392 | Sequence 1392, Ap |
| 95 | 83 | 61.0 | 324 | 5 | US-10-450-763-50868 | Sequence 50868, A |
| 96 | 83 | 61.0 | 523 | 4 | US-10-017-161-1982 | Sequence 1982, Ap |
| 97 | 83 | 61.0 | 523 | 4 | US-10-292-798-1630 | Sequence 1630, Ap |
| 98 | 83 | 61.0 | 576 | 4 | US-10-425-115-344208 | Sequence 344208, |
| 99 | 82.5 | 60.7 | 204 | 5 | US-10-450-763-38565 | Sequence 38565, A |
| 100 | 82.5 | 60.7 | 217 | 4 | US-10-424-599-155301 | Sequence 155301, |

GenCore version 5.1.9


OM protein - protein search, using sw model

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(without alignments)
105.932 Million cell updates/sec

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Perfect score: 136
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 91 | 66.9 | 684 | 7 | US-11-056-355B-71814 | Sequence 71814, A |
| 4 | 91 | 66.9 | 3397 | 7 | US-11-063-439-245 | Sequence 245, App |
| 5 | 91 | 66.9 | 3520 | 7 | US-11-063-439-112 | Sequence 112, App |
| 6 | 91 | 66.9 | 3524 | 7 | US-11-063-439-61 | Sequence 61, Appl |
| 7 | 91 | 66.9 | 3544 | 7 | US-11-063-439-19 | Sequence 19, Appl |
| 8 | 91 | 66.9 | 3544 | 7 | US-11-063-439-158 | Sequence 158, App |
| 9 | 91 | 66.9 | 3578 | 7 | US-11-063-439-74 | Sequence 74, Appl |
| 10 | 90 | 66.2 | 407 | 7 | US-11-056-355B-106330 | Sequence 106330, |
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| 33 | 82 | 60.3 | 498 | 6 | US-10-449-902-48560 | Sequence 48560, A |
| 34 | 82 | 60.3 | 498 | 6 | US-10-449-902-55170 | Sequence 55170, A |
| 35 | 81 | 59.6 | 3661 | 7 | US-11-063-439-277 | Sequence 277, App |
| 36 | 80 | 58.8 | 3700 | 7 | US-11-063-439-290 | Sequence 290, App |
| 37 | 78 | 57.4 | 131 | 6 | US-10-449-902-31944 | Sequence 31944, A |
| 38 | 78 | 57.4 | 303 | 6 | US-10-784-513-2 | Sequence 2, Appli |
| 39 | 78 | 57.4 | 443 | 7 | US-11-283-329-128 | Sequence 128, App |
| 40 | 78 | 57.4 | 626 | 7 | US-11-283-329-124 | Sequence 124, App |
| 41 | 78 | 57.4 | 626 | 7 | US-11-283-329-126 | Sequence 126, App |
| 42 | 78 | 57.4 | 637 | 7 | US-11-283-329-130 | Sequence 130, App |
| 43 | 78 | 57.4 | 3579 | 7 | US-11-063-439-259 | Sequence 259, App |
| 44 | 76 | 55.9 | 285 | 6 | US-10-953-349-23543 | Sequence 23543, A |
| 45 | 76 | 55.9 | 285 | 7 | US-11-056-355B-57718 | Sequence 57718, A |
| 46 | 76 | 55.9 | 465 | 7 | US-11-056-355B-45650 | Sequence 45650, A |
| 47 | 76 | 55.9 | 475 | 7 | US-11-056-355B-45649 | Sequence 45649, A |
| 48 | 76 | 55.9 | 545 | 7 | US-11-056-355B-45648 | Sequence 45648, A |
| 49 | 76 | 55.9 | 3493 | 7 | US-11-063-439-113 | Sequence 113, App |
| 50 | 76 | 55.9 | 3533 | 7 | US-11-063-439-14 | Sequence 14, Appl |
| 51 | 76 | 55.9 | 3536 | 7 | US-11-063-439-31 | Sequence 31, Appl |
| 52 | 74.5 | 54.8 | 1675 | 7 | US-11-063-439-66 | Sequence 66, Appl |
| 53 | 74.5 | 54.8 | 3499 | 7 | US-11-063-439-96 | Sequence 96, Appl |
| 54 | 74.5 | 54.8 | 3529 | 7 | US-11-063-439-37 | Sequence 37, Appl |
| 55 | 74.5 | 54.8 | 3605 | 7 | US-11-063-439-213 | Sequence 213, App |
| 56 | 74 | 54.4 | 115 | 6 | US-10-196-749-86 | Sequence 86, Appl |
| 57 | 74 | 54.4 | 427 | 6 | US-10-449-902-35710 | Sequence 35710, A |
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| 62 | 73.5 | 54.0 | 3528 | 7 | US-11-063-439-155 | Sequence 155, App |
| 63 | 73.5 | 54.0 | 3587 | 7 | US-11-063-439-260 | Sequence 260, App |
| 64 | 73.5 | 54.0 | 3588 | 7 | US-11-063-439-52 | Sequence 52, Appl |
| 65 | 73 | 53.7 | 3487 | 7 | US-11-063-439-56 | Sequence 56, Appl |
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| 67 | 72.5 | 53.3 | 285 | 6 | US-10-449-902-45169 | Sequence 45169, A |
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| 69 | 72.5 | 53.3 | 3515 | 7 | US-11-063-439-101 | Sequence 101, App |
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| 73 | 71.5 | 52.6 | 3496 | 7 | US-11-063-439-173 | Sequence 173, App |
| 74 | 71.5 | 52.6 | 3499 | 7 | US-11-063-439-116 | Sequence 116, App |
| 75 | 71.5 | 52.6 | 3507 | 7 | US-11-063-439-196 | Sequence 196, App |
| 76 | 71.5 | 52.6 | 3508 | 7 | US-11-063-439-166 | Sequence 166, App |
| 77 | 71.5 | 52.6 | 3508 | 7 | US-11-063-439-168 | Sequence 168, App |
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| 81 | 71 | 52.2 | 198 | 7 | US-11-051-725-87 | Sequence 87, Appl |
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| 84 | 71 | 52.2 | 243 | 6 | US-10-953-349-10308 | Sequence 10308, A |
| 85 | 71 | 52.2 | 243 | 7 | US-11-056-355B-50389 | Sequence 50389, A |
| 86 | 71 | 52.2 | 293 | 7 | US-11-056-355B-22617 | Sequence 22617, A |
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| 88 | 71 | 52.2 | 437 | 7 | US-11-051-725-57 | Sequence 57, Appl |
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| 90 | 71 | 52.2 | 2205 | 7 | US-11-051-725-62 | Sequence 62, Appl |
| 91 | 71 | 52.2 | 2206 | 7 | US-11-051-725-84 | Sequence 84, Appl |
| 92 | 71 | 52.2 | 2206 | 7 | US-11-051-725-91 | Sequence 91, Appl |
| 93 | 71 | 52.2 | 2261 | 6 | US-10-829-000-10 | Sequence 10, Appl |
| 94 | 71 | 52.2 | 2312 | 7 | US-11-051-725-74 | Sequence 74, Appl |
| 95 | 71 | 52.2 | 2505 | 6 | US-10-829-000-9 | Sequence 9, Appli |
| 96 | 71 | 52.2 | 2505 | 6 | US-10-829-000-11 | Sequence 11, Appl |
| 97 | 71 | 52.2 | 2511 | 7 | US-11-051-725-12 | Sequence 12, Appl |
| 98 | 71 | 52.2 | 2511 | 7 | US-11-051-725-13 | Sequence 13, Appl |
| 99 | 71 | 52.2 | 2523 | 7 | US-11-051-725-11 | Sequence 11, Appl |
| 100 | 71 | 52.2 | 2617 | 7 | US-11-051-725-14 | Sequence 14, Appl |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 26.1728 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-6
Perfect score: 136
Sequence: 1 KKHHHKHHHKKHHHKHHHKK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 93 | 68.4 | 363 | 2 | US-09-328-352-4930 | Sequence 4930, Ap |
| 3 | 92 | 67.6 | 203 | 2 | US-09-270-767-35326 | Sequence 35326, A |
| 4 | 92 | 67.6 | 203 | 2 | US-09-270-767-50543 | Sequence 50543, A |
| 5 | 90.5 | 66.5 | 355 | 2 | US-09-248-796A-14612 | Sequence 14612, A |
| 6 | 90 | 66.2 | 427 | 2 | US-09-506-066E-8 | Sequence 8, Appli |
| 7 | 89 | 65.4 | 399 | 2 | US-09-506-066E-10 | Sequence 10, Appl |
| 8 | 86.5 | 63.6 | 16 | 2 | US-10-104-307-17 | Sequence 17, Appl |
| 9 | 86.5 | 63.6 | 485 | 2 | US-09-949-016-6557 | Sequence 6557, Ap |
| 10 | 86.5 | 63.6 | 504 | 2 | US-09-949-016-7783 | Sequence 7783, Ap |
| 11 | 86 | 63.2 | 303 | 1 | US-08-203-532F-2 | Sequence 2, Appli |
| 12 | 86 | 63.2 | 303 | 2 | US-09-078-465-2 | Sequence 2, Appli |
| 13 | 86 | 63.2 | 303 | 2 | US-09-940-673B-2 | Sequence 2, Appli |
| 14 | 86 | 63.2 | 303 | 5 | PCT-US95-01882A-2 | Sequence 2, Appli |
| 15 | 85 | 62.5 | 626 | 2 | US-09-949-016-6776 | Sequence 6776, Ap |
| 16 | 85 | 62.5 | 697 | 2 | US-09-949-016-9660 | Sequence 9660, Ap |
| 17 | 84 | 61.8 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 18 | 84 | 61.8 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 19 | 84 | 61.8 | 1199 | 2 | US-09-208-742-2 | Sequence 2, Appli |
| 20 | 84 | 61.8 | 1199 | 2 | US-09-332-295-4 | Sequence 4, Appli |
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| 22 | 84 | 61.8 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 23 | 83 | 61.0 | 25 | 2 | US-09-721-154-14 | Sequence 14, Appl |
| 24 | 83 | 61.0 | 368 | 1 | US-08-211-942-17 | Sequence 17, Appl |
| 25 | 82 | 60.3 | 60 | 1 | US-08-255-457-1 | Sequence 1, Appli |
| 26 | 82 | 60.3 | 60 | 1 | US-09-115-032-1 | Sequence 1, Appli |
| 27 | 82 | 60.3 | 60 | 5 | PCT-US95-05772-1 | Sequence 1, Appli |
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| 37 | 80 | 58.8 | 470 | 2 | US-09-506-066E-6 | Sequence 6, Appli |
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| 46 | 78 | 57.4 | 491 | 2 | US-09-248-796A-18483 | Sequence 18483, A |
| 47 | 77.5 | 57.0 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 48 | 77.5 | 57.0 | 467 | 2 | US-09-657-013-69 | Sequence 69, Appl |
| 49 | 77.5 | 57.0 | 467 | 2 | US-09-657-013-70 | Sequence 70, Appl |
| 50 | 75.5 | 55.5 | 297 | 2 | US-09-489-039A-12802 | Sequence 12802, A |
| 51 | 75.5 | 55.5 | 434 | 2 | US-09-252-991A-30855 | Sequence 30855, A |
| 52 | 75 | 55.1 | 114 | 2 | US-09-248-796A-23116 | Sequence 23116, A |
| 53 | 75 | 55.1 | 480 | 1 | US-07-882-292-2 | Sequence 2, Appli |
| 54 | 75 | 55.1 | 480 | 1 | US-08-331-644-2 | Sequence 2, Appli |
| 55 | 75 | 55.1 | 480 | 5 | PCT-US93-04102-2 | Sequence 2, Appli |
| 56 | 75 | 55.1 | 633 | 2 | US-08-557-006C-43 | Sequence 43, Appl |
| 57 | 75 | 55.1 | 633 | 2 | US-09-538-092-212 | Sequence 212, App |
| 58 | 75 | 55.1 | 633 | 2 | US-09-633-328B-3 | Sequence 3, Appli |
| 59 | 75 | 55.1 | 633 | 2 | US-09-824-735-3 | Sequence 3, Appli |
| 60 | 75 | 55.1 | 633 | 2 | US-09-487-558B-338 | Sequence 338, App |
| 61 | 74.5 | 54.8 | 425 | 2 | US-09-270-767-45380 | Sequence 45380, A |
| 62 | 74 | 54.4 | 68 | 2 | US-09-513-999C-7587 | Sequence 7587, Ap |
| 63 | 74 | 54.4 | 145 | 2 | US-09-640-211A-794 | Sequence 794, App |
| 64 | 74 | 54.4 | 400 | 2 | US-09-543-681A-6151 | Sequence 6151, Ap |
| 65 | 74 | 54.4 | 1402 | 2 | US-09-248-796A-14503 | Sequence 14503, A |
| 66 | 74 | 54.4 | 1664 | 1 | US-08-642-846-2 | Sequence 2, Appli |
| 67 | 74 | 54.4 | 1664 | 2 | US-09-264-604-2 | Sequence 2, Appli |
| 68 | 74 | 54.4 | 1664 | 2 | US-09-978-343-2 | Sequence 2, Appli |
| 69 | 74 | 54.4 | 1664 | 6 | US-09-599-652-2 | Sequence 2, Appli |
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| 74 | 73 | 53.7 | 163 | 2 | US-09-902-540-13395 | Sequence 13395, A |
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| 76 | 73 | 53.7 | 279 | 2 | US-09-248-796A-18859 | Sequence 18859, A |
| 77 | 73 | 53.7 | 349 | 2 | US-09-461-474-12 | Sequence 12, Appl |
| 78 | 73 | 53.7 | 719 | 2 | US-09-270-767-45775 | Sequence 45775, A |
| 79 | 73 | 53.7 | 923 | 2 | US-09-270-767-45546 | Sequence 45546, A |
| 80 | 72.5 | 53.3 | 274 | 2 | US-09-711-164-369 | Sequence 369, App |
| 81 | 72.5 | 53.3 | 274 | 2 | US-09-711-164-407 | Sequence 407, App |
| 82 | 72 | 52.9 | 124 | 2 | US-09-270-767-61747 | Sequence 61747, A |
| 83 | 72 | 52.9 | 381 | 2 | US-09-270-767-46183 | Sequence 46183, A |
| 84 | 72 | 52.9 | 382 | 2 | US-10-099-322-104 | Sequence 104, App |
| 85 | 72 | 52.9 | 382 | 2 | US-10-044-564-104 | Sequence 104, App |
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| 87 | 72 | 52.9 | 431 | 1 | US-08-311-023-2 | Sequence 2, Appli |
| 88 | 72 | 52.9 | 574 | 2 | US-09-949-016-8033 | Sequence 8033, Ap |

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| 89 | 72 | 52.9 | 749 | 2 | US-10-099-322-103 | Sequence 103, App |
| 90 | 72 | 52.9 | 749 | 2 | US-10-044-564-103 | Sequence 103, App |
| 91 | 72 | 52.9 | 752 | 2 | US-10-099-322-101 | Sequence 101, App |
| 92 | 72 | 52.9 | 752 | 2 | US-10-044-564-101 | Sequence 101, App |
| 93 | 72 | 52.9 | 755 | 2 | US-09-642-034-5 | Sequence 5, Appli |
| 94 | 72 | 52.9 | 755 | 2 | US-10-099-322-26 | Sequence 26, Appl |
| 95 | 72 | 52.9 | 755 | 2 | US-10-099-322-102 | Sequence 102, App |
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| 97 | 72 | 52.9 | 755 | 2 | US-10-044-564-102 | Sequence 102, App |
| 98 | 71 | 52.2 | 448 | 2 | US-09-461-474-8 | Sequence 8, Appli |
| 99 | 71 | 52.2 | 1200 | 2 | US-10-094-749-2682 | Sequence 2682, Ap |
| 100 | 70 | 51.5 | 109 | 2 | US-09-248-796A-26944 | Sequence 26944, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 85.8025 Seconds
(without alignments)
107.972 Million cell updates/sec

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Perfect score: 136
Sequence: 1 KKHHHKHHHKKHHHKHHHKK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 5 | 97 | 71.3 | 49 | 3 | US-09-864-761-37882 | Sequence 37882, A |
| 6 | 97 | 71.3 | 52 | 4 | US-10-243-552-985 | Sequence 985, App |
| 7 | 97 | 71.3 | 52 | 5 | US-10-450-763-47452 | Sequence 47452, A |
| 8 | 97 | 71.3 | 292 | 3 | US-09-864-761-37944 | Sequence 37944, A |
| 9 | 97 | 71.3 | 496 | 6 | US-11-096-568A-29371 | Sequence 29371, A |
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| 13 | 96 | 70.6 | 233 | 5 | US-10-450-763-50126 | Sequence 50126, A |
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| 29 | 92 | 67.6 | 93 | 4 | US-10-315-515-46 | Sequence 46, Appl |
| 30 | 92 | 67.6 | 95 | 4 | US-10-315-515-35 | Sequence 35, Appl |
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| 40 | 92 | 67.6 | 106 | 4 | US-10-315-515-38 | Sequence 38, Appl |
| 41 | 92 | 67.6 | 108 | 4 | US-10-437-963-203035 | Sequence 203035, |
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| 46 | 92 | 67.6 | 523 | 4 | US-10-292-798-1630 | Sequence 1630, Ap |
| 47 | 92 | 67.6 | 989 | 6 | US-11-097-143-20661 | Sequence 20661, A |
| 48 | 91 | 66.9 | 238 | 4 | US-10-425-114-41573 | Sequence 41573, A |
| 49 | 91 | 66.9 | 275 | 4 | US-10-425-115-205254 | Sequence 205254, |
| 50 | 91 | 66.9 | 287 | 4 | US-10-424-599-185725 | Sequence 185725, |
| 51 | 91 | 66.9 | 316 | 6 | US-11-096-568A-911 | Sequence 911, App |
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| 53 | 91 | 66.9 | 333 | 4 | US-10-424-599-212100 | Sequence 212100, |
| 54 | 91 | 66.9 | 333 | 6 | US-11-096-568A-910 | Sequence 910, App |
| 55 | 91 | 66.9 | 359 | 6 | US-11-096-568A-28234 | Sequence 28234, A |
| 56 | 91 | 66.9 | 375 | 6 | US-11-096-568A-28233 | Sequence 28233, A |
| 57 | 91 | 66.9 | 385 | 6 | US-11-096-568A-28232 | Sequence 28232, A |
| 58 | 91 | 66.9 | 576 | 4 | US-10-425-115-344208 | Sequence 344208, |
| 59 | 91 | 66.9 | 598 | 5 | US-10-450-763-53954 | Sequence 53954, A |
| 60 | 90 | 66.2 | 275 | 6 | US-11-096-568A-15046 | Sequence 15046, A |
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| 62 | 90 | 66.2 | 330 | 5 | US-10-450-763-55690 | Sequence 55690, A |
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| 76 | 86.5 | 63.6 | 16 | 4 | US-10-104-307-17 | Sequence 17, Appl |
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GenCore version 5.1.9


OM protein - protein search, using sw model

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(without alignments)
105.932 Million cell updates/sec

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Perfect score: 136
Sequence: 1 KKHHHKHHHKKHHHKHHHKK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
8: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 97 | 71.3 | 496 | 7 | US-11-056-355B-71816 | Sequence 71816, A |
| 2 | 97 | 71.3 | 548 | 7 | US-11-056-355B-71815 | Sequence 71815, A |
| 3 | 97 | 71.3 | 684 | 7 | US-11-056-355B-71814 | Sequence 71814, A |
| 4 | 96 | 70.6 | 407 | 7 | US-11-056-355B-106330 | Sequence 106330, |
| 5 | 96 | 70.6 | 407 | 7 | US-11-056-355B-117569 | Sequence 117569, |
| 6 | 94 | 69.1 | 498 | 6 | US-10-449-902-36716 | Sequence 36716, A |
| 7 | 94 | 69.1 | 498 | 6 | US-10-449-902-48560 | Sequence 48560, A |
| 8 | 94 | 69.1 | 498 | 6 | US-10-449-902-55170 | Sequence 55170, A |
| 9 | 94 | 69.1 | 3397 | 7 | US-11-063-439-245 | Sequence 245, App |
| 10 | 94 | 69.1 | 3520 | 7 | US-11-063-439-112 | Sequence 112, App |
| 11 | 94 | 69.1 | 3524 | 7 | US-11-063-439-61 | Sequence 61, Appl |
| 12 | 94 | 69.1 | 3544 | 7 | US-11-063-439-19 | Sequence 19, Appl |
| 13 | 94 | 69.1 | 3544 | 7 | US-11-063-439-158 | Sequence 158, App |
| 14 | 94 | 69.1 | 3578 | 7 | US-11-063-439-74 | Sequence 74, Appl |
| 15 | 92 | 67.6 | 3482 | 7 | US-11-063-439-48 | Sequence 48, Appl |
| 16 | 92 | 67.6 | 3496 | 7 | US-11-063-439-230 | Sequence 230, App |
| 17 | 92 | 67.6 | 3517 | 7 | US-11-063-439-8 | Sequence 8, Appli |
| 18 | 92 | 67.6 | 3711 | 7 | US-11-063-439-261 | Sequence 261, App |
| 19 | 91 | 66.9 | 359 | 7 | US-11-056-355B-44655 | Sequence 44655, A |
| 20 | 91 | 66.9 | 359 | 7 | US-11-056-355B-70457 | Sequence 70457, A |

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| 21 | 91 | 66.9 | 375 | 7 | US-11-056-355B-44654 | Sequence 44654, A |
| 22 | 91 | 66.9 | 375 | 7 | US-11-056-355B-70456 | Sequence 70456, A |
| 23 | 91 | 66.9 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |
| 24 | 91 | 66.9 | 414 | 7 | US-11-056-355B-44653 | Sequence 44653, A |
| 25 | 90 | 66.2 | 275 | 7 | US-11-056-355B-5328 | Sequence 5328, Ap |
| 26 | 88.5 | 65.1 | 3700 | 7 | US-11-063-439-290 | Sequence 290, App |
| 27 | 88 | 64.7 | 3661 | 7 | US-11-063-439-277 | Sequence 277, App |
| 28 | 86 | 63.2 | 303 | 6 | US-10-784-513-2 | Sequence 2, Appli |
| 29 | 85 | 62.5 | 285 | 6 | US-10-449-902-45169 | Sequence 45169, A |
| 30 | 85 | 62.5 | 443 | 7 | US-11-283-329-128 | Sequence 128, App |
| 31 | 85 | 62.5 | 626 | 7 | US-11-283-329-124 | Sequence 124, App |
| 32 | 85 | 62.5 | 626 | 7 | US-11-283-329-126 | Sequence 126, App |
| 33 | 85 | 62.5 | 637 | 7 | US-11-283-329-130 | Sequence 130, App |
| 34 | 82.5 | 60.7 | 293 | 7 | US-11-056-355B-22617 | Sequence 22617, A |
| 35 | 82.5 | 60.7 | 295 | 7 | US-11-056-355B-22616 | Sequence 22616, A |
| 36 | 82.5 | 60.7 | 314 | 6 | US-10-374-780A-1392 | Sequence 1392, Ap |
| 37 | 82.5 | 60.7 | 314 | 7 | US-11-330-403-9293 | Sequence 9293, Ap |
| 38 | 81 | 59.6 | 212 | 6 | US-10-953-349-16531 | Sequence 16531, A |
| 39 | 81 | 59.6 | 235 | 6 | US-10-953-349-16530 | Sequence 16530, A |
| 40 | 81 | 59.6 | 236 | 6 | US-10-953-349-16529 | Sequence 16529, A |
| 41 | 81 | 59.6 | 393 | 7 | US-11-056-355B-47973 | Sequence 47973, A |
| 42 | 80.5 | 59.2 | 3493 | 7 | US-11-063-439-113 | Sequence 113, App |
| 43 | 80 | 58.8 | 3579 | 7 | US-11-063-439-259 | Sequence 259, App |
| 44 | 79 | 58.1 | 302 | 6 | US-10-784-513-4 | Sequence 4, Appli |
| 45 | 79 | 58.1 | 3499 | 7 | US-11-063-439-96 | Sequence 96, Appl |
| 46 | 79 | 58.1 | 3529 | 7 | US-11-063-439-37 | Sequence 37, Appl |
| 47 | 78.5 | 57.7 | 3605 | 7 | US-11-063-439-213 | Sequence 213, App |
| 48 | 78 | 57.4 | 3503 | 7 | US-11-063-439-30 | Sequence 30, Appl |
| 49 | 78 | 57.4 | 3528 | 7 | US-11-063-439-155 | Sequence 155, App |
| 50 | 78 | 57.4 | 3533 | 7 | US-11-063-439-14 | Sequence 14, Appl |
| 51 | 78 | 57.4 | 3536 | 7 | US-11-063-439-31 | Sequence 31, Appl |
| 52 | 78 | 57.4 | 3587 | 7 | US-11-063-439-260 | Sequence 260, App |
| 53 | 78 | 57.4 | 3588 | 7 | US-11-063-439-52 | Sequence 52, Appl |
| 54 | 77.5 | 57.0 | 3617 | 7 | US-11-063-439-284 | Sequence 284, App |
| 55 | 77 | 56.6 | 285 | 6 | US-10-953-349-23543 | Sequence 23543, A |
| 56 | 77 | 56.6 | 285 | 7 | US-11-056-355B-57718 | Sequence 57718, A |
| 57 | 77 | 56.6 | 1675 | 7 | US-11-063-439-66 | Sequence 66, Appl |
| 58 | 77 | 56.6 | 3487 | 7 | US-11-063-439-56 | Sequence 56, Appl |
| 59 | 76.5 | 56.2 | 3498 | 7 | US-11-063-439-27 | Sequence 27, Appl |
| 60 | 76.5 | 56.2 | 3515 | 7 | US-11-063-439-101 | Sequence 101, App |
| 61 | 75 | 55.1 | 427 | 6 | US-10-449-902-35710 | Sequence 35710, A |
| 62 | 75 | 55.1 | 427 | 6 | US-10-449-902-52286 | Sequence 52286, A |
| 63 | 74 | 54.4 | 513 | 6 | US-10-449-902-52006 | Sequence 52006, A |
| 64 | 74 | 54.4 | 3203 | 7 | US-11-063-439-171 | Sequence 171, App |
| 65 | 74 | 54.4 | 3496 | 7 | US-11-063-439-173 | Sequence 173, App |
| 66 | 74 | 54.4 | 3499 | 7 | US-11-063-439-116 | Sequence 116, App |
| 67 | 74 | 54.4 | 3507 | 7 | US-11-063-439-196 | Sequence 196, App |
| 68 | 74 | 54.4 | 3508 | 7 | US-11-063-439-166 | Sequence 166, App |
| 69 | 74 | 54.4 | 3508 | 7 | US-11-063-439-168 | Sequence 168, App |
| 70 | 74 | 54.4 | 3657 | 7 | US-11-063-439-129 | Sequence 129, App |
| 71 | 73.5 | 54.0 | 63 | 6 | US-10-449-902-34522 | Sequence 34522, A |
| 72 | 73 | 53.7 | 326 | 6 | US-10-953-349-29281 | Sequence 29281, A |
| 73 | 73 | 53.7 | 326 | 7 | US-11-056-355B-63397 | Sequence 63397, A |
| 74 | 73 | 53.7 | 331 | 6 | US-10-953-349-29280 | Sequence 29280, A |
| 75 | 73 | 53.7 | 331 | 7 | US-11-056-355B-63396 | Sequence 63396, A |
| 76 | 73 | 53.7 | 365 | 6 | US-10-953-349-29279 | Sequence 29279, A |
| 77 | 73 | 53.7 | 365 | 7 | US-11-056-355B-63395 | Sequence 63395, A |
| 78 | 73 | 53.7 | 3342 | 7 | US-11-063-439-273 | Sequence 273, App |
| 79 | 73 | 53.7 | 3710 | 7 | US-11-063-439-270 | Sequence 270, App |
| 80 | 73 | 53.7 | 3712 | 7 | US-11-063-439-272 | Sequence 272, App |
| 81 | 73 | 53.7 | 3719 | 7 | US-11-063-439-263 | Sequence 263, App |
| 82 | 73 | 53.7 | 3729 | 7 | US-11-063-439-274 | Sequence 274, App |
| 83 | 73 | 53.7 | 3741 | 7 | US-11-063-439-265 | Sequence 265, App |
| 84 | 73 | 53.7 | 3742 | 7 | US-11-063-439-283 | Sequence 283, App |
| 85 | 73 | 53.7 | 3974 | 7 | US-11-063-439-276 | Sequence 276, App |
| 86 | 72.5 | 53.3 | 206 | 6 | US-10-374-780A-490 | Sequence 490, App |
| 87 | 72.5 | 53.3 | 233 | 6 | US-10-449-902-31878 | Sequence 31878, A |

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| 88 | 72.5 | 53.3 | 233 | 6 | US-10-449-902-51445 | Sequence 51445, A |
| 89 | 72.5 | 53.3 | 233 | 6 | US-10-374-780A-488 | Sequence 488, App |
| 90 | 72.5 | 53.3 | 262 | 7 | US-11-056-355B-83182 | Sequence 83182, A |
| 91 | 72.5 | 53.3 | 401 | 7 | US-11-056-355B-83181 | Sequence 83181, A |
| 92 | 72.5 | 53.3 | 403 | 6 | US-10-374-780A-2056 | Sequence 2056, Ap |
| 93 | 72.5 | 53.3 | 403 | 7 | US-11-056-355B-83180 | Sequence 83180, A |
| 94 | 72.5 | 53.3 | 614 | 7 | US-11-056-355B-45875 | Sequence 45875, A |
| 95 | 72.5 | 53.3 | 3481 | 7 | US-11-063-439-86 | Sequence 86, Appl |
| 96 | 72.5 | 53.3 | 3485 | 7 | US-11-063-439-76 | Sequence 76, Appl |
| 97 | 72.5 | 53.3 | 3531 | 7 | US-11-063-439-286 | Sequence 286, App |
| 98 | 72 | 52.9 | 237 | 6 | US-10-449-902-56344 | Sequence 56344, A |
| 99 | 72 | 52.9 | 252 | 6 | US-10-953-349-31660 | Sequence 31660, A |
| 100 | 72 | 52.9 | 252 | 7 | US-11-056-355B-62367 | Sequence 62367, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 13.0864 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-14
Perfect score: 65
Sequence: 1 KHKHKHKHKH 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5_COMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 65 | 100.0 | 10 | 2 | US-10-104-307-18 | Sequence 18, Appl |
| 2 | 65 | 100.0 | 1199 | 2 | US-09-208-742-2 | Sequence 2, Appli |
| 3 | 65 | 100.0 | 1199 | 2 | US-09-332-295-4 | Sequence 4, Appli |
| 4 | 65 | 100.0 | 1199 | 2 | US-09-709-979-4 | Sequence 4, Appli |
| 5 | 65 | 100.0 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 6 | 62 | 95.4 | 1213 | 1 | US-08-188-582-20 | Sequence 20, Appl |
| 7 | 62 | 95.4 | 1213 | 1 | US-08-646-715-20 | Sequence 20, Appl |
| 8 | 57 | 87.7 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 9 | 55 | 84.6 | 313 | 2 | US-08-686-528A-3 | Sequence 3, Appli |
| 10 | 55 | 84.6 | 313 | 2 | US-09-456-287-3 | Sequence 3, Appli |
| 11 | 55 | 84.6 | 337 | 2 | US-08-686-528A-2 | Sequence 2, Appli |
| 12 | 55 | 84.6 | 337 | 2 | US-09-456-287-2 | Sequence 2, Appli |
| 13 | 55 | 84.6 | 1716 | 2 | US-09-949-016-11331 | Sequence 11331, A |
| 14 | 52 | 80.0 | 10 | 2 | US-09-615-153-19 | Sequence 19, Appl |
| 15 | 51 | 78.5 | 18 | 1 | US-08-346-849-64 | Sequence 64, Appl |
| 16 | 51 | 78.5 | 18 | 1 | US-08-293-284A-64 | Sequence 64, Appl |
| 17 | 51 | 78.5 | 18 | 2 | US-08-898-300-64 | Sequence 64, Appl |
| 18 | 51 | 78.5 | 18 | 2 | US-08-824-513-64 | Sequence 64, Appl |
| 19 | 49 | 75.4 | 14 | 2 | US-09-648-569A-42 | Sequence 42, Appl |
| 20 | 49 | 75.4 | 14 | 2 | US-09-904-196B-12 | Sequence 12, Appl |
| 21 | 49 | 75.4 | 14 | 2 | US-09-760-008A-12 | Sequence 12, Appl |

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| 22 | 49 | 75.4 | 14 | 2 | US-09-782-587B-15 | Sequence 15, Appl |
| 23 | 49 | 75.4 | 14 | 2 | US-10-192-294-12 | Sequence 12, Appl |
| 24 | 49 | 75.4 | 14 | 2 | US-09-997-623-44 | Sequence 44, Appl |
| 25 | 49 | 75.4 | 14 | 2 | US-10-195-707B-38 | Sequence 38, Appl |
| 26 | 49 | 75.4 | 14 | 3 | US-09-806-703A-24 | Sequence 24, Appl |
| 27 | 49 | 75.4 | 15 | 2 | US-09-904-196B-5 | Sequence 5, Appli |
| 28 | 49 | 75.4 | 15 | 2 | US-09-760-008A-5 | Sequence 5, Appli |
| 29 | 49 | 75.4 | 15 | 2 | US-09-556-818-26 | Sequence 26, Appl |
| 30 | 49 | 75.4 | 15 | 2 | US-09-782-587B-16 | Sequence 16, Appl |
| 31 | 49 | 75.4 | 15 | 2 | US-10-192-294-5 | Sequence 5, Appli |
| 32 | 49 | 75.4 | 15 | 2 | US-09-997-623-45 | Sequence 45, Appl |
| 33 | 49 | 75.4 | 173 | 2 | US-09-396-937-10 | Sequence 10, Appl |
| 34 | 49 | 75.4 | 173 | 2 | US-09-396-937-12 | Sequence 12, Appl |
| 35 | 49 | 75.4 | 173 | 2 | US-09-396-937-18 | Sequence 18, Appl |
| 36 | 49 | 75.4 | 173 | 2 | US-09-396-937-20 | Sequence 20, Appl |
| 37 | 49 | 75.4 | 182 | 2 | US-09-396-937-16 | Sequence 16, Appl |
| 38 | 49 | 75.4 | 187 | 2 | US-09-396-937-8 | Sequence 8, Appli |
| 39 | 49 | 75.4 | 188 | 2 | US-09-396-937-14 | Sequence 14, Appl |
| 40 | 49 | 75.4 | 297 | 2 | US-09-248-796A-22393 | Sequence 22393, A |
| 41 | 47 | 72.3 | 117 | 2 | US-09-513-999C-5282 | Sequence 5282, Ap |
| 42 | 47 | 72.3 | 363 | 2 | US-10-094-749-1983 | Sequence 1983, Ap |
| 43 | 46 | 70.8 | 11 | 2 | US-09-612-126-12 | Sequence 12, Appl |
| 44 | 46 | 70.8 | 12 | 2 | US-09-437-912-3 | Sequence 3, Appli |
| 45 | 46 | 70.8 | 28 | 2 | US-09-437-912-6 | Sequence 6, Appli |
| 46 | 46 | 70.8 | 47 | 2 | US-09-612-126-4 | Sequence 4, Appli |
| 47 | 46 | 70.8 | 62 | 2 | US-09-612-126-7 | Sequence 7, Appli |
| 48 | 46 | 70.8 | 83 | 2 | US-09-612-126-6 | Sequence 6, Appli |
| 49 | 46 | 70.8 | 94 | 2 | US-09-612-126-10 | Sequence 10, Appl |
| 50 | 46 | 70.8 | 179 | 2 | US-09-612-126-11 | Sequence 11, Appl |
| 51 | 46 | 70.8 | 186 | 2 | US-09-612-126-8 | Sequence 8, Appli |
| 52 | 46 | 70.8 | 255 | 2 | US-09-612-126-1 | Sequence 1, Appli |
| 53 | 46 | 70.8 | 255 | 2 | US-10-129-946-1 | Sequence 1, Appli |
| 54 | 46 | 70.8 | 415 | 3 | US-10-162-335-76 | Sequence 76, Appl |
| 55 | 46 | 70.8 | 579 | 2 | US-09-949-002-475 | Sequence 475, App |
| 56 | 46 | 70.8 | 579 | 2 | US-09-949-002-481 | Sequence 481, App |
| 57 | 46 | 70.8 | 615 | 3 | US-10-162-335-72 | Sequence 72, Appl |
| 58 | 46 | 70.8 | 644 | 3 | US-10-162-335-74 | Sequence 74, Appl |
| 59 | 46 | 70.8 | 644 | 3 | US-10-162-335-84 | Sequence 84, Appl |
| 60 | 45 | 69.2 | 16 | 1 | US-08-346-849-49 | Sequence 49, Appl |
| 61 | 45 | 69.2 | 16 | 1 | US-08-293-284A-49 | Sequence 49, Appl |
| 62 | 45 | 69.2 | 16 | 2 | US-08-898-300-49 | Sequence 49, Appl |
| 63 | 45 | 69.2 | 16 | 2 | US-08-824-513-49 | Sequence 49, Appl |
| 64 | 45 | 69.2 | 198 | 2 | US-09-270-767-43398 | Sequence 43398, A |
| 65 | 45 | 69.2 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 66 | 45 | 69.2 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 67 | 45 | 69.2 | 425 | 2 | US-09-270-767-45380 | Sequence 45380, A |
| 68 | 45 | 69.2 | 582 | 2 | US-09-976-594-733 | Sequence 733, App |
| 69 | 45 | 69.2 | 760 | 2 | US-09-248-796A-19620 | Sequence 19620, A |
| 70 | 44.5 | 68.5 | 10 | 2 | US-09-615-153-20 | Sequence 20, Appl |
| 71 | 44 | 67.7 | 65 | 2 | US-09-248-796A-21174 | Sequence 21174, A |
| 72 | 44 | 67.7 | 1664 | 1 | US-08-642-846-2 | Sequence 2, Appli |
| 73 | 44 | 67.7 | 1664 | 2 | US-09-264-604-2 | Sequence 2, Appli |
| 74 | 44 | 67.7 | 1664 | 2 | US-09-978-343-2 | Sequence 2, Appli |
| 75 | 44 | 67.7 | 1664 | 6 | US-09-599-652-2 | Sequence 2, Appli |
| 76 | 43 | 66.2 | 16 | 1 | US-08-346-849-60 | Sequence 60, Appl |
| 77 | 43 | 66.2 | 16 | 1 | US-08-346-849-61 | Sequence 61, Appl |
| 78 | 43 | 66.2 | 16 | 1 | US-08-293-284A-60 | Sequence 60, Appl |
| 79 | 43 | 66.2 | 16 | 1 | US-08-293-284A-61 | Sequence 61, Appl |
| 80 | 43 | 66.2 | 16 | 2 | US-08-898-300-60 | Sequence 60, Appl |
| 81 | 43 | 66.2 | 16 | 2 | US-08-898-300-61 | Sequence 61, Appl |
| 82 | 43 | 66.2 | 16 | 2 | US-08-824-513-60 | Sequence 60, Appl |
| 83 | 43 | 66.2 | 16 | 2 | US-08-824-513-61 | Sequence 61, Appl |
| 84 | 43 | 66.2 | 148 | 2 | US-09-270-767-39762 | Sequence 39762, A |
| 85 | 43 | 66.2 | 148 | 2 | US-09-270-767-54979 | Sequence 54979, A |
| 86 | 43 | 66.2 | 150 | 2 | US-09-663-600A-196 | Sequence 196, App |
| 87 | 43 | 66.2 | 300 | 2 | US-09-395-689-1 | Sequence 1, Appli |
| 88 | 43 | 66.2 | 435 | 2 | US-09-248-796A-19804 | Sequence 19804, A |

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| 89 | 43 | 66.2 | 765 | 1 | US-08-663-112-2 | Sequence 2, Appli |
| 90 | 43 | 66.2 | 765 | 2 | US-09-538-092-906 | Sequence 906, App |
| 91 | 43 | 66.2 | 765 | 2 | US-09-882-274-2 | Sequence 2, Appli |
| 92 | 42 | 64.6 | 52 | 2 | US-09-270-767-57777 | Sequence 57777, A |
| 93 | 42 | 64.6 | 67 | 2 | US-09-270-767-42482 | Sequence 42482, A |
| 94 | 42 | 64.6 | 95 | 2 | US-09-809-665A-145 | Sequence 145, App |
| 95 | 42 | 64.6 | 133 | 2 | US-09-270-767-37305 | Sequence 37305, A |
| 96 | 42 | 64.6 | 133 | 2 | US-09-270-767-52522 | Sequence 52522, A |
| 97 | 42 | 64.6 | 163 | 2 | US-09-328-352-7384 | Sequence 7384, Ap |
| 98 | 42 | 64.6 | 166 | 2 | US-09-270-767-38141 | Sequence 38141, A |
| 99 | 42 | 64.6 | 166 | 2 | US-09-270-767-53358 | Sequence 53358, A |
| 100 | 42 | 64.6 | 185 | 2 | US-09-252-991A-27520 | Sequence 27520, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 42.9012 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-14
Perfect score: 65
Sequence: 1 KHKHKHKHKH 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 65 | 100.0 | 10 | 4 | US-10-018-103A-14 | Sequence 14, Appl |
| 2 | 65 | 100.0 | 10 | 4 | US-10-131-909A-14 | Sequence 14, Appl |
| 3 | 65 | 100.0 | 10 | 4 | US-10-104-307-18 | Sequence 18, Appl |
| 4 | 65 | 100.0 | 11 | 5 | US-10-857-435A-31 | Sequence 31, Appl |
| 5 | 65 | 100.0 | 29 | 4 | US-10-018-103A-7 | Sequence 7, Appli |
| 6 | 65 | 100.0 | 29 | 4 | US-10-131-909A-7 | Sequence 7, Appli |
| 7 | 65 | 100.0 | 104 | 4 | US-10-437-963-114806 | Sequence 114806, |
| 8 | 65 | 100.0 | 1199 | 4 | US-10-147-268-4 | Sequence 4, Appli |
| 9 | 65 | 100.0 | 1199 | 4 | US-10-338-279-4 | Sequence 4, Appli |
| 10 | 65 | 100.0 | 1199 | 4 | US-10-408-765A-2020 | Sequence 2020, Ap |
| 11 | 65 | 100.0 | 1199 | 5 | US-10-756-149-5165 | Sequence 5165, Ap |
| 12 | 62 | 95.4 | 1219 | 6 | US-11-097-143-14646 | Sequence 14646, A |
| 13 | 61 | 93.8 | 337 | 4 | US-10-270-333-96 | Sequence 96, Appl |
| 14 | 61 | 93.8 | 337 | 6 | US-11-097-143-17679 | Sequence 17679, A |
| 15 | 57 | 87.7 | 16 | 3 | US-09-778-200-27 | Sequence 27, Appl |
| 16 | 57 | 87.7 | 16 | 4 | US-10-192-832-30 | Sequence 30, Appl |
| 17 | 57 | 87.7 | 16 | 5 | US-10-431-000B-25 | Sequence 25, Appl |
| 18 | 57 | 87.7 | 16 | 5 | US-10-877-068-27 | Sequence 27, Appl |
| 19 | 57 | 87.7 | 16 | 5 | US-10-968-790-27 | Sequence 27, Appl |
| 20 | 57 | 87.7 | 19 | 4 | US-10-018-103A-3 | Sequence 3, Appli |
| 21 | 57 | 87.7 | 19 | 4 | US-10-131-909A-3 | Sequence 3, Appli |
| 22 | 57 | 87.7 | 19 | 4 | US-10-136-187-45 | Sequence 45, Appl |

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| 24 | 57 | 87.7 | 21 | 4 | US-10-018-103A-9 | Sequence 9, Appli |
| 25 | 57 | 87.7 | 21 | 4 | US-10-018-103A-16 | Sequence 16, Appl |
| 26 | 57 | 87.7 | 21 | 4 | US-10-131-909A-9 | Sequence 9, Appli |
| 27 | 57 | 87.7 | 21 | 4 | US-10-131-909A-16 | Sequence 16, Appl |
| 28 | 57 | 87.7 | 29 | 4 | US-10-018-103A-4 | Sequence 4, Appli |
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| 31 | 57 | 87.7 | 980 | 4 | US-10-451-467A-32 | Sequence 32, Appl |
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| 51 | 50 | 76.9 | 299 | 4 | US-10-437-963-129009 | Sequence 129009, |
| 52 | 50 | 76.9 | 366 | 4 | US-10-406-686A-76 | Sequence 76, Appl |
| 53 | 49 | 75.4 | 14 | 3 | US-09-760-008A-12 | Sequence 12, Appl |
| 54 | 49 | 75.4 | 14 | 3 | US-09-780-933-17 | Sequence 17, Appl |
| 55 | 49 | 75.4 | 14 | 3 | US-09-997-623-44 | Sequence 44, Appl |
| 56 | 49 | 75.4 | 14 | 3 | US-09-978-917A-44 | Sequence 44, Appl |
| 57 | 49 | 75.4 | 14 | 3 | US-09-904-196B-12 | Sequence 12, Appl |
| 58 | 49 | 75.4 | 14 | 3 | US-09-782-587B-15 | Sequence 15, Appl |
| 59 | 49 | 75.4 | 14 | 4 | US-10-003-496-12 | Sequence 12, Appl |
| 60 | 49 | 75.4 | 14 | 4 | US-10-116-273-38 | Sequence 38, Appl |
| 61 | 49 | 75.4 | 14 | 4 | US-10-192-294-12 | Sequence 12, Appl |
| 62 | 49 | 75.4 | 14 | 4 | US-10-195-707B-38 | Sequence 38, Appl |
| 63 | 49 | 75.4 | 14 | 4 | US-10-318-966-12 | Sequence 12, Appl |
| 64 | 49 | 75.4 | 14 | 4 | US-10-190-414-19 | Sequence 19, Appl |
| 65 | 49 | 75.4 | 14 | 4 | US-10-084-706-52 | Sequence 52, Appl |
| 66 | 49 | 75.4 | 14 | 4 | US-10-325-720-42 | Sequence 42, Appl |
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| 79 | 49 | 75.4 | 14 | 6 | US-11-004-461-12 | Sequence 12, Appl |
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| 86 | 49 | 75.4 | 15 | 3 | US-09-780-933-18 | Sequence 18, Appl |
| 87 | 49 | 75.4 | 15 | 3 | US-09-997-623-45 | Sequence 45, Appl |
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| 94 | 49 | 75.4 | 15 | 4 | US-10-203-531-7 | Sequence 7, Appli |
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GenCore version 5.1.9


OM protein - protein search, using sw model

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(without alignments)
105.932 Million cell updates/sec

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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 51 | 78.5 | 18 | 7 | US-11-254-805-34 | Sequence 34, Appl |
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| 6 | 47 | 72.3 | 343 | 6 | US-10-478-743B-4 | Sequence 4, Appli |
| 7 | 47 | 72.3 | 359 | 7 | US-11-056-355B-44655 | Sequence 44655, A |
| 8 | 47 | 72.3 | 359 | 7 | US-11-056-355B-70457 | Sequence 70457, A |
| 9 | 47 | 72.3 | 368 | 7 | US-11-056-355B-30759 | Sequence 30759, A |
| 10 | 47 | 72.3 | 368 | 7 | US-11-056-355B-34349 | Sequence 34349, A |
| 11 | 47 | 72.3 | 368 | 7 | US-11-056-355B-41231 | Sequence 41231, A |
| 12 | 47 | 72.3 | 368 | 7 | US-11-056-355B-86298 | Sequence 86298, A |
| 13 | 47 | 72.3 | 375 | 7 | US-11-056-355B-44654 | Sequence 44654, A |
| 14 | 47 | 72.3 | 375 | 7 | US-11-056-355B-70456 | Sequence 70456, A |
| 15 | 47 | 72.3 | 381 | 6 | US-10-953-349-9486 | Sequence 9486, Ap |
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| 18 | 47 | 72.3 | 381 | 7 | US-11-056-355B-108981 | Sequence 108981, |
| 19 | 47 | 72.3 | 382 | 6 | US-10-478-743B-2 | Sequence 2, Appli |
| 20 | 47 | 72.3 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |

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| 33 | 45 | 69.2 | 243 | 7 | US-11-056-355B-87846 | Sequence 87846, A |
| 34 | 45 | 69.2 | 299 | 6 | US-10-953-349-5486 | Sequence 5486, Ap |
| 35 | 45 | 69.2 | 300 | 6 | US-10-953-349-5485 | Sequence 5485, Ap |
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| 45 | 44 | 67.7 | 630 | 7 | US-11-056-355B-91567 | Sequence 91567, A |
| 46 | 44 | 67.7 | 630 | 7 | US-11-056-355B-95323 | Sequence 95323, A |
| 47 | 44 | 67.7 | 722 | 6 | US-10-449-902-51079 | Sequence 51079, A |
| 48 | 44 | 67.7 | 798 | 7 | US-11-056-355B-91566 | Sequence 91566, A |
| 49 | 44 | 67.7 | 798 | 7 | US-11-056-355B-95322 | Sequence 95322, A |
| 50 | 44 | 67.7 | 1135 | 6 | US-10-449-902-41295 | Sequence 41295, A |
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| 52 | 43 | 66.2 | 16 | 7 | US-11-254-805-30 | Sequence 30, Appl |
| 53 | 43 | 66.2 | 16 | 7 | US-11-320-468-29 | Sequence 29, Appl |
| 54 | 43 | 66.2 | 16 | 7 | US-11-320-468-30 | Sequence 30, Appl |
| 55 | 43 | 66.2 | 226 | 7 | US-11-293-697-4030 | Sequence 4030, Ap |
| 56 | 43 | 66.2 | 350 | 7 | US-11-056-355B-10605 | Sequence 10605, A |
| 57 | 43 | 66.2 | 354 | 7 | US-11-056-355B-10604 | Sequence 10604, A |
| 58 | 43 | 66.2 | 383 | 7 | US-11-056-355B-10603 | Sequence 10603, A |
| 59 | 43 | 66.2 | 884 | 7 | US-11-105-233-58 | Sequence 58, Appl |
| 60 | 42 | 64.6 | 90 | 6 | US-10-471-571A-774 | Sequence 774, App |
| 61 | 42 | 64.6 | 116 | 6 | US-10-953-349-14295 | Sequence 14295, A |
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| 65 | 42 | 64.6 | 144 | 7 | US-11-056-355B-13138 | Sequence 13138, A |
| 66 | 42 | 64.6 | 155 | 7 | US-11-056-355B-13137 | Sequence 13137, A |
| 67 | 42 | 64.6 | 165 | 6 | US-10-953-349-28541 | Sequence 28541, A |
| 68 | 42 | 64.6 | 165 | 7 | US-11-056-355B-65052 | Sequence 65052, A |
| 69 | 42 | 64.6 | 205 | 7 | US-11-056-355B-13844 | Sequence 13844, A |
| 70 | 42 | 64.6 | 218 | 7 | US-11-056-355B-13136 | Sequence 13136, A |
| 71 | 42 | 64.6 | 220 | 6 | US-10-449-902-46772 | Sequence 46772, A |
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| 74 | 42 | 64.6 | 227 | 7 | US-11-056-355B-65051 | Sequence 65051, A |
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| 79 | 42 | 64.6 | 285 | 6 | US-10-449-902-45169 | Sequence 45169, A |
| 80 | 42 | 64.6 | 345 | 7 | US-11-330-403-392 | Sequence 392, App |
| 81 | 42 | 64.6 | 407 | 7 | US-11-056-355B-106330 | Sequence 106330, |
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| 86 | 41 | 63.1 | 185 | 7 | US-11-293-697-4100 | Sequence 4100, Ap |
| 87 | 41 | 63.1 | 198 | 6 | US-10-449-902-30707 | Sequence 30707, A |

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| 91 | 41 | 63.1 | 233 | 6 | US-10-449-902-31878 | Sequence 31878, A |
| 92 | 41 | 63.1 | 233 | 6 | US-10-449-902-51445 | Sequence 51445, A |
| 93 | 41 | 63.1 | 233 | 6 | US-10-374-780A-488 | Sequence 488, App |
| 94 | 41 | 63.1 | 268 | 6 | US-10-449-902-50912 | Sequence 50912, A |
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| 96 | 41 | 63.1 | 295 | 7 | US-11-056-355B-22616 | Sequence 22616, A |
| 97 | 41 | 63.1 | 307 | 6 | US-10-196-749-262 | Sequence 262, App |
| 98 | 41 | 63.1 | 334 | 7 | US-11-251-208-489 | Sequence 489, App |
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GenCore version 5.1.9


OM protein - protein search, using sw model

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(without alignments)
66.887 Million cell updates/sec

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Perfect score: 105
Sequence: 1 HHKHHKHHKHHKHHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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| 3 | 78 | 74.3 | 362 | 2 | US-09-248-796A-16633 | Sequence 16633, A |
| 4 | 78 | 74.3 | 399 | 2 | US-09-506-066E-10 | Sequence 10, Appl |
| 5 | 77 | 73.3 | 363 | 2 | US-09-328-352-4930 | Sequence 4930, Ap |
| 6 | 77 | 73.3 | 626 | 2 | US-09-949-016-6776 | Sequence 6776, Ap |
| 7 | 77 | 73.3 | 697 | 2 | US-09-949-016-9660 | Sequence 9660, Ap |
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GenCore version 5.1.9


OM protein - protein search, using sw model

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107.972 Million cell updates/sec

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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 7 | 85 | 81.0 | 238 | 4 | US-10-425-114-41573 | Sequence 41573, A |
| 8 | 85 | 81.0 | 275 | 4 | US-10-425-115-205254 | Sequence 205254, |
| 9 | 84 | 80.0 | 275 | 6 | US-11-096-568A-15046 | Sequence 15046, A |
| 10 | 80 | 76.2 | 142 | 6 | US-11-097-143-10002 | Sequence 10002, A |
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| 84 | 76 | 72.4 | 523 | 4 | US-10-017-161-1982 | Sequence 1982, Ap |
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GenCore version 5.1.9


OM protein - protein search, using sw model

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Post-processing: Minimum Match 0%
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Listing first 100 summaries

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| 46 | 67 | 63.8 | 475 | 7 | US-11-056-355B-45649 | Sequence 45649, A |
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| 54 | 64 | 61.0 | 3579 | 7 | US-11-063-439-259 | Sequence 259, App |
| 55 | 63.5 | 60.5 | 345 | 7 | US-11-330-403-392 | Sequence 392, App |
| 56 | 63 | 60.0 | 115 | 6 | US-10-196-749-86 | Sequence 86, Appl |
| 57 | 63 | 60.0 | 198 | 7 | US-11-051-725-79 | Sequence 79, Appl |
| 58 | 63 | 60.0 | 198 | 7 | US-11-051-725-87 | Sequence 87, Appl |
| 59 | 63 | 60.0 | 206 | 6 | US-10-374-780A-490 | Sequence 490, App |
| 60 | 63 | 60.0 | 233 | 6 | US-10-449-902-31878 | Sequence 31878, A |
| 61 | 63 | 60.0 | 233 | 6 | US-10-449-902-51445 | Sequence 51445, A |
| 62 | 63 | 60.0 | 233 | 6 | US-10-374-780A-488 | Sequence 488, App |
| 63 | 63 | 60.0 | 248 | 6 | US-10-449-902-42540 | Sequence 42540, A |
| 64 | 63 | 60.0 | 293 | 7 | US-11-056-355B-22617 | Sequence 22617, A |
| 65 | 63 | 60.0 | 295 | 7 | US-11-056-355B-22616 | Sequence 22616, A |
| 66 | 63 | 60.0 | 437 | 7 | US-11-051-725-57 | Sequence 57, Appl |
| 67 | 63 | 60.0 | 437 | 7 | US-11-051-725-69 | Sequence 69, Appl |
| 68 | 63 | 60.0 | 2205 | 7 | US-11-051-725-62 | Sequence 62, Appl |
| 69 | 63 | 60.0 | 2206 | 7 | US-11-051-725-84 | Sequence 84, Appl |
| 70 | 63 | 60.0 | 2206 | 7 | US-11-051-725-91 | Sequence 91, Appl |
| 71 | 63 | 60.0 | 2261 | 6 | US-10-829-000-10 | Sequence 10, Appl |
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| 73 | 63 | 60.0 | 2505 | 6 | US-10-829-000-9 | Sequence 9, Appli |
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| 76 | 63 | 60.0 | 2511 | 7 | US-11-051-725-13 | Sequence 13, Appl |
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| 78 | 63 | 60.0 | 2617 | 7 | US-11-051-725-14 | Sequence 14, Appl |
| 79 | 63 | 60.0 | 3536 | 7 | US-11-063-439-31 | Sequence 31, Appl |
| 80 | 62.5 | 59.5 | 326 | 6 | US-10-953-349-29281 | Sequence 29281, A |
| 81 | 62.5 | 59.5 | 326 | 7 | US-11-056-355B-63397 | Sequence 63397, A |
| 82 | 62.5 | 59.5 | 331 | 6 | US-10-953-349-29280 | Sequence 29280, A |
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| 85 | 62.5 | 59.5 | 365 | 7 | US-11-056-355B-63395 | Sequence 63395, A |
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| 88 | 62 | 59.0 | 380 | 6 | US-10-953-349-6710 | Sequence 6710, Ap |
| 89 | 62 | 59.0 | 405 | 7 | US-11-056-355B-91568 | Sequence 91568, A |
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| 91 | 62 | 59.0 | 408 | 6 | US-10-953-349-6709 | Sequence 6709, Ap |
| 92 | 62 | 59.0 | 480 | 7 | US-11-330-403-7609 | Sequence 7609, Ap |
| 93 | 62 | 59.0 | 630 | 7 | US-11-056-355B-91567 | Sequence 91567, A |
| 94 | 62 | 59.0 | 630 | 7 | US-11-056-355B-95323 | Sequence 95323, A |
| 95 | 62 | 59.0 | 798 | 7 | US-11-056-355B-91566 | Sequence 91566, A |
| 96 | 62 | 59.0 | 798 | 7 | US-11-056-355B-95322 | Sequence 95322, A |
| 97 | 62 | 59.0 | 3493 | 7 | US-11-063-439-113 | Sequence 113, App |
| 98 | 62 | 59.0 | 3533 | 7 | US-11-063-439-14 | Sequence 14, Appl |
| 99 | 61.5 | 58.6 | 252 | 6 | US-10-953-349-31660 | Sequence 31660, A |
| 100 | 61.5 | 58.6 | 252 | 7 | US-11-056-355B-62367 | Sequence 62367, A |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 27.4815 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-16
Perfect score: 130
Sequence: 1 KKHKHKHKHKGKHKHKHKHKK 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 3 | 86 | 66.2 | 1199 | 2 | US-09-709-979-4 | Sequence 4, Appli |
| 4 | 86 | 66.2 | 1199 | 2 | US-10-147-268-4 | Sequence 4, Appli |
| 5 | 85.5 | 65.8 | 224 | 2 | US-09-902-540-12716 | Sequence 12716, A |
| 6 | 79 | 60.8 | 1213 | 1 | US-08-188-582-20 | Sequence 20, Appl |
| 7 | 79 | 60.8 | 1213 | 1 | US-08-646-715-20 | Sequence 20, Appl |
| 8 | 78 | 60.0 | 18 | 1 | US-08-346-849-64 | Sequence 64, Appl |
| 9 | 78 | 60.0 | 18 | 1 | US-08-293-284A-64 | Sequence 64, Appl |
| 10 | 78 | 60.0 | 18 | 2 | US-08-898-300-64 | Sequence 64, Appl |
| 11 | 78 | 60.0 | 18 | 2 | US-08-824-513-64 | Sequence 64, Appl |
| 12 | 78 | 60.0 | 313 | 2 | US-08-686-528A-3 | Sequence 3, Appli |
| 13 | 78 | 60.0 | 313 | 2 | US-09-456-287-3 | Sequence 3, Appli |
| 14 | 78 | 60.0 | 337 | 2 | US-08-686-528A-2 | Sequence 2, Appli |
| 15 | 78 | 60.0 | 337 | 2 | US-09-456-287-2 | Sequence 2, Appli |
| 16 | 67.5 | 51.9 | 425 | 2 | US-09-270-767-45380 | Sequence 45380, A |
| 17 | 67 | 51.5 | 400 | 2 | US-09-543-681A-6151 | Sequence 6151, Ap |
| 18 | 65 | 50.0 | 300 | 2 | US-09-395-689-1 | Sequence 1, Appli |
| 19 | 65 | 50.0 | 765 | 1 | US-08-663-112-2 | Sequence 2, Appli |
| 20 | 65 | 50.0 | 765 | 2 | US-09-538-092-906 | Sequence 906, App |
| 21 | 65 | 50.0 | 765 | 2 | US-09-882-274-2 | Sequence 2, Appli |

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| 22 | 64.5 | 49.6 | 28 | 2 | US-09-437-912-6 | Sequence 6, Appli |
| 23 | 64.5 | 49.6 | 47 | 2 | US-09-612-126-4 | Sequence 4, Appli |
| 24 | 64.5 | 49.6 | 62 | 2 | US-09-612-126-7 | Sequence 7, Appli |
| 25 | 64.5 | 49.6 | 83 | 2 | US-09-612-126-6 | Sequence 6, Appli |
| 26 | 64.5 | 49.6 | 94 | 2 | US-09-612-126-10 | Sequence 10, Appl |
| 27 | 64.5 | 49.6 | 179 | 2 | US-09-612-126-11 | Sequence 11, Appl |
| 28 | 64.5 | 49.6 | 186 | 2 | US-09-612-126-8 | Sequence 8, Appli |
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| 31 | 64.5 | 49.6 | 415 | 3 | US-10-162-335-76 | Sequence 76, Appl |
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| 34 | 64.5 | 49.6 | 615 | 3 | US-10-162-335-72 | Sequence 72, Appl |
| 35 | 64.5 | 49.6 | 644 | 3 | US-10-162-335-74 | Sequence 74, Appl |
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| 42 | 63 | 48.5 | 408 | 2 | US-09-270-767-42361 | Sequence 42361, A |
| 43 | 63 | 48.5 | 1097 | 3 | US-08-951-188A-4 | Sequence 4, Appli |
| 44 | 62.5 | 48.1 | 148 | 2 | US-09-461-325-453 | Sequence 453, App |
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| 47 | 62.5 | 48.1 | 663 | 2 | US-09-949-016-6046 | Sequence 6046, Ap |
| 48 | 62.5 | 48.1 | 673 | 2 | US-09-949-016-7834 | Sequence 7834, Ap |
| 49 | 62.5 | 48.1 | 696 | 3 | US-08-951-188A-45 | Sequence 45, Appl |
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| 52 | 62 | 47.7 | 16 | 1 | US-08-346-849-49 | Sequence 49, Appl |
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| 56 | 62 | 47.7 | 150 | 2 | US-09-395-689-2 | Sequence 2, Appli |
| 57 | 62 | 47.7 | 203 | 2 | US-09-270-767-34950 | Sequence 34950, A |
| 58 | 62 | 47.7 | 203 | 2 | US-09-270-767-50167 | Sequence 50167, A |
| 59 | 62 | 47.7 | 213 | 2 | US-09-248-796A-16185 | Sequence 16185, A |
| 60 | 62 | 47.7 | 353 | 2 | US-09-270-767-32624 | Sequence 32624, A |
| 61 | 62 | 47.7 | 353 | 2 | US-09-270-767-47841 | Sequence 47841, A |
| 62 | 61.5 | 47.3 | 117 | 2 | US-09-513-999C-5282 | Sequence 5282, Ap |
| 63 | 61.5 | 47.3 | 363 | 2 | US-10-094-749-1983 | Sequence 1983, Ap |
| 64 | 61 | 46.9 | 256 | 2 | US-09-248-796A-20184 | Sequence 20184, A |
| 65 | 61 | 46.9 | 367 | 2 | US-09-540-236-2996 | Sequence 2996, Ap |
| 66 | 61 | 46.9 | 399 | 2 | US-09-506-066E-10 | Sequence 10, Appl |
| 67 | 60.5 | 46.5 | 253 | 2 | US-09-270-767-42427 | Sequence 42427, A |
| 68 | 60 | 46.2 | 130 | 2 | US-10-104-047-3570 | Sequence 3570, Ap |
| 69 | 60 | 46.2 | 218 | 2 | US-09-252-991A-25291 | Sequence 25291, A |
| 70 | 60 | 46.2 | 1284 | 2 | US-10-296-144-5 | Sequence 5, Appli |
| 71 | 59.5 | 45.8 | 531 | 2 | US-09-270-767-32631 | Sequence 32631, A |
| 72 | 59.5 | 45.8 | 531 | 2 | US-09-270-767-47848 | Sequence 47848, A |
| 73 | 59 | 45.4 | 297 | 2 | US-09-489-039A-12802 | Sequence 12802, A |
| 74 | 59 | 45.4 | 904 | 2 | US-09-976-594-615 | Sequence 615, App |
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| 76 | 59 | 45.4 | 1664 | 2 | US-09-264-604-2 | Sequence 2, Appli |
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| 78 | 59 | 45.4 | 1664 | 6 | US-09-599-652-2 | Sequence 2, Appli |
| 79 | 58.5 | 45.0 | 16 | 2 | US-10-104-307-17 | Sequence 17, Appl |
| 80 | 58 | 44.6 | 16 | 1 | US-08-346-849-60 | Sequence 60, Appl |
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| 82 | 58 | 44.6 | 16 | 1 | US-08-293-284A-60 | Sequence 60, Appl |
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| 86 | 58 | 44.6 | 16 | 2 | US-08-824-513-60 | Sequence 60, Appl |
| 87 | 58 | 44.6 | 16 | 2 | US-08-824-513-61 | Sequence 61, Appl |
| 88 | 58 | 44.6 | 63 | 2 | US-09-513-999C-5320 | Sequence 5320, Ap |

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| 89 | 58 | 44.6 | 82 | 2 | US-09-248-796A-21887 | Sequence 21887, A |
| 90 | 58 | 44.6 | 187 | 2 | US-09-396-937-8 | Sequence 8, Appli |
| 91 | 57 | 43.8 | 10 | 2 | US-10-104-307-18 | Sequence 18, Appl |
| 92 | 57 | 43.8 | 76 | 2 | US-09-248-796A-26411 | Sequence 26411, A |
| 93 | 57 | 43.8 | 110 | 2 | US-09-513-999C-7836 | Sequence 7836, Ap |
| 94 | 57 | 43.8 | 274 | 2 | US-09-711-164-369 | Sequence 369, App |
| 95 | 57 | 43.8 | 274 | 2 | US-09-711-164-407 | Sequence 407, App |
| 96 | 57 | 43.8 | 344 | 2 | US-09-134-001C-3524 | Sequence 3524, Ap |
| 97 | 57 | 43.8 | 381 | 2 | US-09-919-497-96 | Sequence 96, Appl |
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GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 90.0926 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-16
Perfect score: 130
Sequence: 1 KKHKHKHKHKGKHKHKHKHKK 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 2 | 130 | 100.0 | 21 | 4 | US-10-018-103A-16 | Sequence 16, Appl |
| 3 | 130 | 100.0 | 21 | 4 | US-10-131-909A-9 | Sequence 9, Appli |
| 4 | 130 | 100.0 | 21 | 4 | US-10-131-909A-16 | Sequence 16, Appl |
| 5 | 120 | 92.3 | 19 | 4 | US-10-018-103A-3 | Sequence 3, Appli |
| 6 | 120 | 92.3 | 19 | 4 | US-10-131-909A-3 | Sequence 3, Appli |
| 7 | 120 | 92.3 | 19 | 4 | US-10-136-187-45 | Sequence 45, Appl |
| 8 | 120 | 92.3 | 19 | 5 | US-10-850-873-45 | Sequence 45, Appl |
| 9 | 120 | 92.3 | 29 | 4 | US-10-018-103A-4 | Sequence 4, Appli |
| 10 | 120 | 92.3 | 29 | 4 | US-10-131-909A-4 | Sequence 4, Appli |
| 11 | 101 | 77.7 | 29 | 4 | US-10-018-103A-7 | Sequence 7, Appli |
| 12 | 101 | 77.7 | 29 | 4 | US-10-131-909A-7 | Sequence 7, Appli |
| 13 | 94.5 | 72.7 | 1007 | 4 | US-10-211-133-7 | Sequence 7, Appli |
| 14 | 94.5 | 72.7 | 1043 | 4 | US-10-097-340-258 | Sequence 258, App |
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| 22 | 89.5 | 68.8 | 20 | 4 | US-10-018-103A-6 | Sequence 6, Appli |

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| 35 | 78 | 60.0 | 16 | 5 | US-10-431-000B-25 | Sequence 25, Appl |
| 36 | 78 | 60.0 | 16 | 5 | US-10-877-068-27 | Sequence 27, Appl |
| 37 | 78 | 60.0 | 16 | 5 | US-10-968-790-27 | Sequence 27, Appl |
| 38 | 78 | 60.0 | 18 | 4 | US-10-390-472-64 | Sequence 64, Appl |
| 39 | 75 | 57.7 | 17 | 4 | US-10-131-909A-17 | Sequence 17, Appl |
| 40 | 74.5 | 57.3 | 639 | 6 | US-11-097-143-33207 | Sequence 33207, A |
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| 42 | 73 | 56.2 | 227 | 6 | US-11-096-568A-11372 | Sequence 11372, A |
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| 44 | 72 | 55.4 | 337 | 4 | US-10-270-333-96 | Sequence 96, Appl |
| 45 | 72 | 55.4 | 337 | 6 | US-11-097-143-17679 | Sequence 17679, A |
| 46 | 71 | 54.6 | 467 | 5 | US-10-739-930-10473 | Sequence 10473, A |
| 47 | 70.5 | 54.2 | 119 | 6 | US-11-096-568A-24129 | Sequence 24129, A |
| 48 | 70.5 | 54.2 | 142 | 6 | US-11-096-568A-24128 | Sequence 24128, A |
| 49 | 70.5 | 54.2 | 201 | 4 | US-10-425-114-70425 | Sequence 70425, A |
| 50 | 70.5 | 54.2 | 205 | 4 | US-10-425-115-357812 | Sequence 357812, |
| 51 | 70.5 | 54.2 | 205 | 6 | US-11-096-568A-24127 | Sequence 24127, A |
| 52 | 70.5 | 54.2 | 216 | 4 | US-10-425-114-68080 | Sequence 68080, A |
| 53 | 70 | 53.8 | 19 | 4 | US-10-018-103A-11 | Sequence 11, Appl |
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| 55 | 70 | 53.8 | 71 | 4 | US-10-425-115-238808 | Sequence 238808, |
| 56 | 69 | 53.1 | 218 | 4 | US-10-425-114-64096 | Sequence 64096, A |
| 57 | 69 | 53.1 | 428 | 4 | US-10-437-963-199613 | Sequence 199613, |
| 58 | 69 | 53.1 | 1291 | 4 | US-10-312-352-32 | Sequence 32, Appl |
| 59 | 68.5 | 52.7 | 68 | 4 | US-10-425-115-343636 | Sequence 343636, |
| 60 | 68 | 52.3 | 20 | 4 | US-10-018-103A-5 | Sequence 5, Appli |
| 61 | 68 | 52.3 | 20 | 4 | US-10-131-909A-5 | Sequence 5, Appli |
| 62 | 68 | 52.3 | 36 | 4 | US-10-424-599-178307 | Sequence 178307, |
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| 64 | 68 | 52.3 | 123 | 6 | US-11-096-568A-27903 | Sequence 27903, A |
| 65 | 68 | 52.3 | 144 | 6 | US-11-096-568A-19656 | Sequence 19656, A |
| 66 | 68 | 52.3 | 155 | 6 | US-11-096-568A-19655 | Sequence 19655, A |
| 67 | 68 | 52.3 | 159 | 6 | US-11-096-568A-27902 | Sequence 27902, A |
| 68 | 68 | 52.3 | 217 | 4 | US-10-425-115-218015 | Sequence 218015, |
| 69 | 68 | 52.3 | 218 | 4 | US-10-425-115-313121 | Sequence 313121, |
| 70 | 68 | 52.3 | 218 | 6 | US-11-096-568A-19654 | Sequence 19654, A |
| 71 | 68 | 52.3 | 221 | 6 | US-11-096-568A-27901 | Sequence 27901, A |
| 72 | 68 | 52.3 | 899 | 4 | US-10-437-963-122313 | Sequence 122313, |
| 73 | 67.5 | 51.9 | 141 | 6 | US-11-097-143-42798 | Sequence 42798, A |
| 74 | 67.5 | 51.9 | 931 | 4 | US-10-170-385-39 | Sequence 39, Appl |
| 75 | 67.5 | 51.9 | 931 | 4 | US-10-408-765A-1585 | Sequence 1585, Ap |
| 76 | 67.5 | 51.9 | 964 | 6 | US-11-097-143-14541 | Sequence 14541, A |
| 77 | 67.5 | 51.9 | 1616 | 5 | US-10-934-998-88 | Sequence 88, Appl |
| 78 | 67 | 51.5 | 217 | 6 | US-11-097-143-5385 | Sequence 5385, Ap |
| 79 | 67 | 51.5 | 221 | 4 | US-10-424-599-252204 | Sequence 252204, |
| 80 | 67 | 51.5 | 429 | 4 | US-10-282-122A-52569 | Sequence 52569, A |
| 81 | 66 | 50.8 | 160 | 4 | US-10-424-599-249584 | Sequence 249584, |
| 82 | 66 | 50.8 | 205 | 4 | US-10-437-963-116057 | Sequence 116057, |
| 83 | 66 | 50.8 | 408 | 4 | US-10-377-636-2 | Sequence 2, Appli |
| 84 | 66 | 50.8 | 440 | 4 | US-10-425-115-199466 | Sequence 199466, |
| 85 | 66 | 50.8 | 1097 | 6 | US-11-097-143-13503 | Sequence 13503, A |
| 86 | 66 | 50.8 | 1266 | 5 | US-10-723-860-4398 | Sequence 4398, Ap |
| 87 | 66 | 50.8 | 1281 | 4 | US-10-363-616-334 | Sequence 334, App |
| 88 | 65 | 50.0 | 243 | 3 | US-09-867-550-678 | Sequence 678, App |
| 89 | 65 | 50.0 | 287 | 4 | US-10-282-122A-59708 | Sequence 59708, A |

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| 90 | 65 | 50.0 | 291 | 4 | US-10-425-114-60385 | Sequence 60385, A |
| 91 | 65 | 50.0 | 315 | 4 | US-10-425-114-49525 | Sequence 49525, A |
| 92 | 65 | 50.0 | 320 | 4 | US-10-425-115-353923 | Sequence 353923, |
| 93 | 65 | 50.0 | 446 | 4 | US-10-424-599-265245 | Sequence 265245, |
| 94 | 65 | 50.0 | 765 | 3 | US-09-882-274-2 | Sequence 2, Appli |
| 95 | 65 | 50.0 | 765 | 4 | US-10-408-765A-1149 | Sequence 1149, Ap |
| 96 | 65 | 50.0 | 765 | 5 | US-10-484-577-679 | Sequence 679, App |
| 97 | 65 | 50.0 | 1046 | 6 | US-11-097-143-27876 | Sequence 27876, A |
| 98 | 65 | 50.0 | 1064 | 6 | US-11-097-143-3996 | Sequence 3996, Ap |
| 99 | 64.5 | 49.6 | 109 | 5 | US-10-637-313-8 | Sequence 8, Appli |
| 100 | 64.5 | 49.6 | 109 | 5 | US-10-637-313-48 | Sequence 48, Appl |

GenCore version 5.1.9


OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 13.0926 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-16
Perfect score: 130
Sequence: 1 KKHKHKHKHKGKHKHKHKHKK 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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8: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 78 | 60.0 | 16 | 7 | US-11-254-805-49 | Sequence 49, Appl |
| 2 | 78 | 60.0 | 16 | 7 | US-11-320-468-49 | Sequence 49, Appl |
| 3 | 78 | 60.0 | 18 | 7 | US-11-254-805-34 | Sequence 34, Appl |
| 4 | 78 | 60.0 | 18 | 7 | US-11-320-468-34 | Sequence 34, Appl |
| 5 | 73 | 56.2 | 165 | 6 | US-10-953-349-28541 | Sequence 28541, A |
| 6 | 73 | 56.2 | 165 | 7 | US-11-056-355B-65052 | Sequence 65052, A |
| 7 | 73 | 56.2 | 227 | 6 | US-10-953-349-28540 | Sequence 28540, A |
| 8 | 73 | 56.2 | 227 | 7 | US-11-056-355B-65051 | Sequence 65051, A |
| 9 | 73 | 56.2 | 233 | 6 | US-10-953-349-28539 | Sequence 28539, A |
| 10 | 73 | 56.2 | 233 | 7 | US-11-056-355B-65050 | Sequence 65050, A |
| 11 | 72 | 55.4 | 220 | 6 | US-10-449-902-48827 | Sequence 48827, A |
| 12 | 70.5 | 54.2 | 119 | 7 | US-11-056-355B-13846 | Sequence 13846, A |
| 13 | 70.5 | 54.2 | 142 | 7 | US-11-056-355B-13845 | Sequence 13845, A |
| 14 | 70.5 | 54.2 | 205 | 7 | US-11-056-355B-13844 | Sequence 13844, A |
| 15 | 68 | 52.3 | 123 | 7 | US-11-056-355B-70006 | Sequence 70006, A |
| 16 | 68 | 52.3 | 123 | 7 | US-11-056-355B-87848 | Sequence 87848, A |
| 17 | 68 | 52.3 | 144 | 7 | US-11-056-355B-13138 | Sequence 13138, A |
| 18 | 68 | 52.3 | 155 | 7 | US-11-056-355B-13137 | Sequence 13137, A |
| 19 | 68 | 52.3 | 159 | 7 | US-11-056-355B-70005 | Sequence 70005, A |
| 20 | 68 | 52.3 | 159 | 7 | US-11-056-355B-87847 | Sequence 87847, A |

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| 21 | 68 | 52.3 | 218 | 7 | US-11-056-355B-13136 | Sequence 13136, A |
| 22 | 68 | 52.3 | 220 | 6 | US-10-449-902-46772 | Sequence 46772, A |
| 23 | 68 | 52.3 | 221 | 7 | US-11-056-355B-70004 | Sequence 70004, A |
| 24 | 68 | 52.3 | 243 | 7 | US-11-056-355B-87846 | Sequence 87846, A |
| 25 | 67 | 51.5 | 1135 | 6 | US-10-449-902-41295 | Sequence 41295, A |
| 26 | 64.5 | 49.6 | 255 | 7 | US-11-343-003-1 | Sequence 1, Appli |
| 27 | 64 | 49.2 | 145 | 7 | US-11-056-355B-71462 | Sequence 71462, A |
| 28 | 64 | 49.2 | 207 | 7 | US-11-056-355B-71461 | Sequence 71461, A |
| 29 | 64 | 49.2 | 299 | 6 | US-10-953-349-5486 | Sequence 5486, Ap |
| 30 | 64 | 49.2 | 300 | 6 | US-10-953-349-5485 | Sequence 5485, Ap |
| 31 | 64 | 49.2 | 359 | 7 | US-11-056-355B-44655 | Sequence 44655, A |
| 32 | 64 | 49.2 | 359 | 7 | US-11-056-355B-70457 | Sequence 70457, A |
| 33 | 64 | 49.2 | 375 | 7 | US-11-056-355B-44654 | Sequence 44654, A |
| 34 | 64 | 49.2 | 375 | 7 | US-11-056-355B-70456 | Sequence 70456, A |
| 35 | 64 | 49.2 | 385 | 7 | US-11-056-355B-70455 | Sequence 70455, A |
| 36 | 64 | 49.2 | 414 | 7 | US-11-056-355B-44653 | Sequence 44653, A |
| 37 | 64 | 49.2 | 448 | 6 | US-10-953-349-5484 | Sequence 5484, Ap |
| 38 | 62.5 | 48.1 | 885 | 7 | US-11-293-697-3459 | Sequence 3459, Ap |
| 39 | 62 | 47.7 | 16 | 7 | US-11-254-805-18 | Sequence 18, Appl |
| 40 | 62 | 47.7 | 16 | 7 | US-11-320-468-18 | Sequence 18, Appl |
| 41 | 62 | 47.7 | 102 | 6 | US-10-953-349-12284 | Sequence 12284, A |
| 42 | 62 | 47.7 | 113 | 6 | US-10-953-349-12282 | Sequence 12282, A |
| 43 | 62 | 47.7 | 201 | 7 | US-11-293-697-3199 | Sequence 3199, Ap |
| 44 | 62 | 47.7 | 266 | 6 | US-10-449-902-33546 | Sequence 33546, A |
| 45 | 62 | 47.7 | 513 | 6 | US-10-449-902-35344 | Sequence 35344, A |
| 46 | 61.5 | 47.3 | 343 | 6 | US-10-478-743B-4 | Sequence 4, Appli |
| 47 | 61.5 | 47.3 | 375 | 6 | US-10-953-349-20171 | Sequence 20171, A |
| 48 | 61.5 | 47.3 | 382 | 6 | US-10-478-743B-2 | Sequence 2, Appli |
| 49 | 61.5 | 47.3 | 402 | 6 | US-10-953-349-20170 | Sequence 20170, A |
| 50 | 60 | 46.2 | 807 | 7 | US-11-330-403-4372 | Sequence 4372, Ap |
| 51 | 60 | 46.2 | 816 | 7 | US-11-330-403-5498 | Sequence 5498, Ap |
| 52 | 59 | 45.4 | 405 | 7 | US-11-056-355B-91568 | Sequence 91568, A |
| 53 | 59 | 45.4 | 405 | 7 | US-11-056-355B-95324 | Sequence 95324, A |
| 54 | 59 | 45.4 | 407 | 7 | US-11-056-355B-106330 | Sequence 106330, |
| 55 | 59 | 45.4 | 407 | 7 | US-11-056-355B-117569 | Sequence 117569, |
| 56 | 59 | 45.4 | 496 | 7 | US-11-056-355B-71816 | Sequence 71816, A |
| 57 | 59 | 45.4 | 548 | 7 | US-11-056-355B-71815 | Sequence 71815, A |
| 58 | 59 | 45.4 | 630 | 7 | US-11-056-355B-91567 | Sequence 91567, A |
| 59 | 59 | 45.4 | 630 | 7 | US-11-056-355B-95323 | Sequence 95323, A |
| 60 | 59 | 45.4 | 684 | 7 | US-11-056-355B-71814 | Sequence 71814, A |
| 61 | 59 | 45.4 | 740 | 7 | US-11-251-208-230 | Sequence 230, App |
| 62 | 59 | 45.4 | 798 | 7 | US-11-056-355B-91566 | Sequence 91566, A |
| 63 | 59 | 45.4 | 798 | 7 | US-11-056-355B-95322 | Sequence 95322, A |
| 64 | 58 | 44.6 | 16 | 7 | US-11-254-805-29 | Sequence 29, Appl |
| 65 | 58 | 44.6 | 16 | 7 | US-11-254-805-30 | Sequence 30, Appl |
| 66 | 58 | 44.6 | 16 | 7 | US-11-320-468-29 | Sequence 29, Appl |
| 67 | 58 | 44.6 | 16 | 7 | US-11-320-468-30 | Sequence 30, Appl |
| 68 | 58 | 44.6 | 230 | 6 | US-10-953-349-24618 | Sequence 24618, A |
| 69 | 58 | 44.6 | 722 | 6 | US-10-449-902-51079 | Sequence 51079, A |
| 70 | 58 | 44.6 | 905 | 6 | US-10-449-902-41605 | Sequence 41605, A |
| 71 | 58 | 44.6 | 3711 | 7 | US-11-063-439-261 | Sequence 261, App |
| 72 | 58 | 44.6 | 3974 | 7 | US-11-063-439-276 | Sequence 276, App |
| 73 | 57 | 43.8 | 158 | 6 | US-10-449-902-33705 | Sequence 33705, A |
| 74 | 57 | 43.8 | 381 | 6 | US-10-505-928-73 | Sequence 73, Appl |
| 75 | 56.5 | 43.5 | 884 | 7 | US-11-105-233-58 | Sequence 58, Appl |
| 76 | 56 | 43.1 | 126 | 6 | US-10-449-902-34397 | Sequence 34397, A |
| 77 | 56 | 43.1 | 197 | 6 | US-10-449-902-49648 | Sequence 49648, A |
| 78 | 56 | 43.1 | 3397 | 7 | US-11-063-439-245 | Sequence 245, App |
| 79 | 56 | 43.1 | 3520 | 7 | US-11-063-439-112 | Sequence 112, App |
| 80 | 56 | 43.1 | 3524 | 7 | US-11-063-439-61 | Sequence 61, Appl |
| 81 | 56 | 43.1 | 3544 | 7 | US-11-063-439-19 | Sequence 19, Appl |
| 82 | 56 | 43.1 | 3544 | 7 | US-11-063-439-158 | Sequence 158, App |
| 83 | 56 | 43.1 | 3578 | 7 | US-11-063-439-74 | Sequence 74, Appl |
| 84 | 55 | 42.3 | 131 | 6 | US-10-449-902-31944 | Sequence 31944, A |
| 85 | 55 | 42.3 | 226 | 7 | US-11-293-697-4030 | Sequence 4030, Ap |
| 86 | 55 | 42.3 | 319 | 7 | US-11-056-355B-36981 | Sequence 36981, A |
| 87 | 55 | 42.3 | 319 | 7 | US-11-056-355B-101817 | Sequence 101817, |

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| 88 | 55 | 42.3 | 319 | 7 | US-11-056-355B-113056 | Sequence 113056, |
| 89 | 55 | 42.3 | 368 | 7 | US-11-056-355B-36980 | Sequence 36980, A |
| 90 | 55 | 42.3 | 368 | 7 | US-11-056-355B-101816 | Sequence 101816, |
| 91 | 55 | 42.3 | 368 | 7 | US-11-056-355B-113055 | Sequence 113055, |
| 92 | 55 | 42.3 | 393 | 7 | US-11-056-355B-47973 | Sequence 47973, A |
| 93 | 55 | 42.3 | 410 | 7 | US-11-056-355B-36979 | Sequence 36979, A |
| 94 | 55 | 42.3 | 410 | 7 | US-11-056-355B-101815 | Sequence 101815, |
| 95 | 55 | 42.3 | 410 | 7 | US-11-056-355B-113054 | Sequence 113054, |
| 96 | 55 | 42.3 | 614 | 7 | US-11-056-355B-45875 | Sequence 45875, A |
| 97 | 54.5 | 41.9 | 264 | 7 | US-11-056-355B-73386 | Sequence 73386, A |
| 98 | 54.5 | 41.9 | 275 | 7 | US-11-056-355B-30606 | Sequence 30606, A |
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